

1 / 73

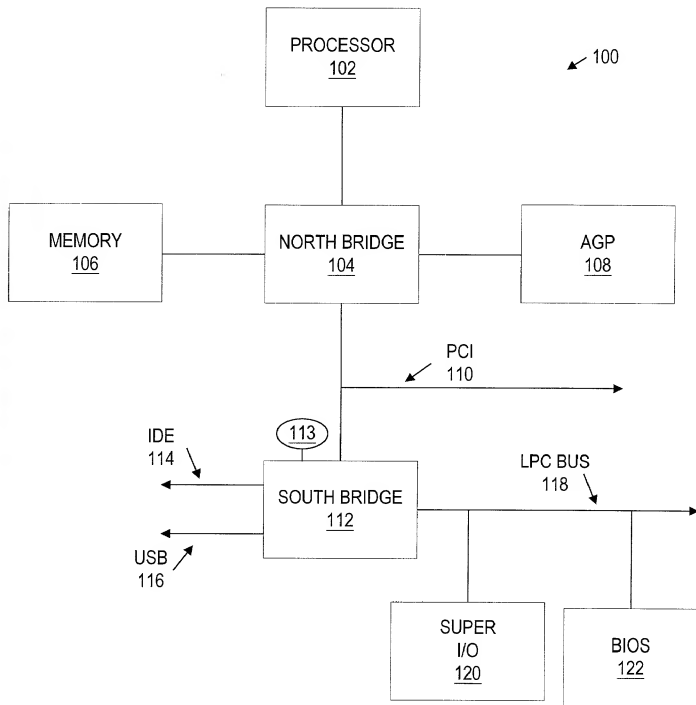


Fig. 1A
(Prior Art)

2 / 73

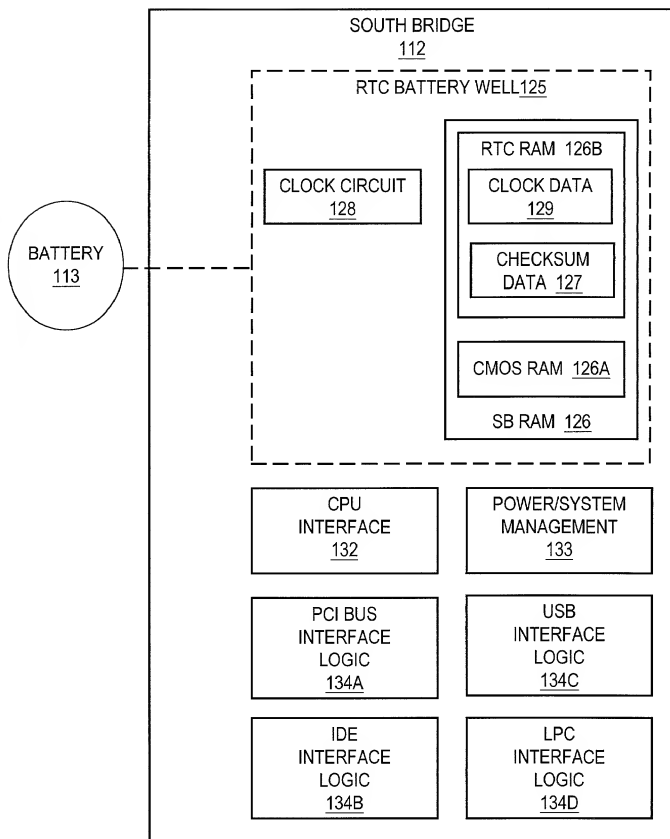


Fig. 1B
(Prior Art)

3 / 73

135

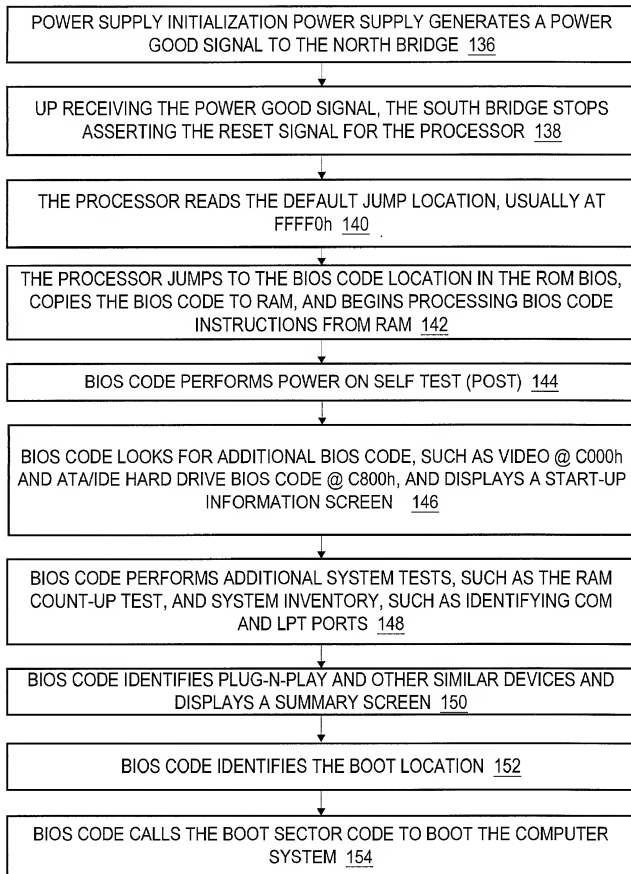


Fig. 2A
(Prior Art)

4 / 73

170

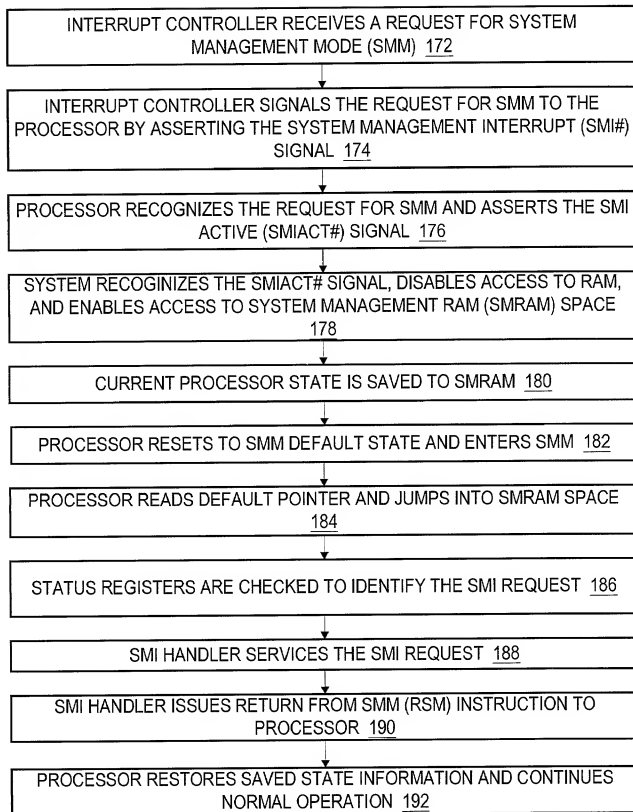


Fig. 2B
(Prior Art)

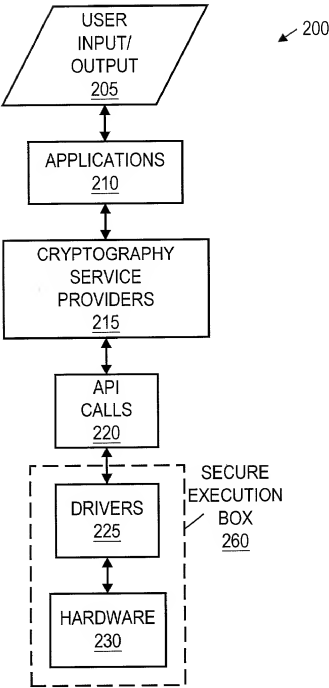
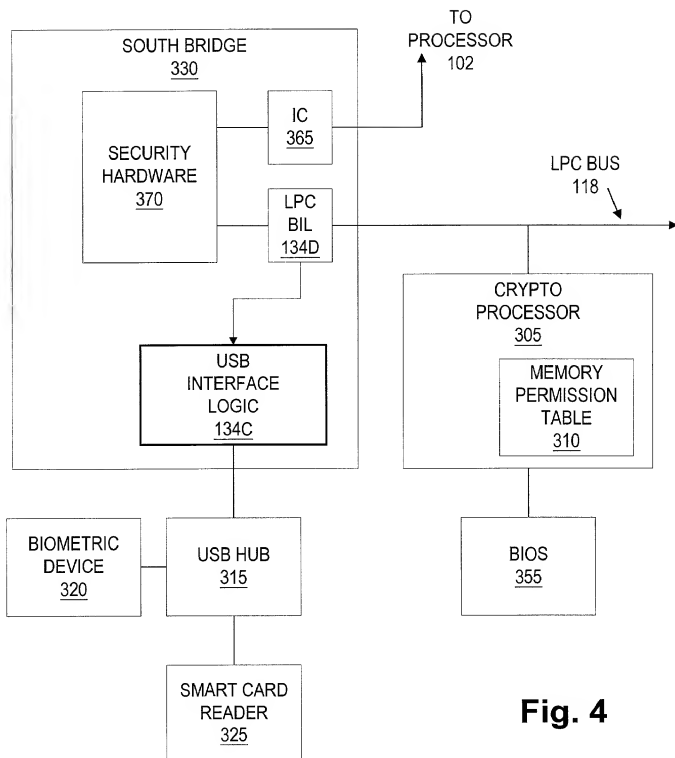


Fig. 3

6 / 73

**Fig. 4**

7 / 73

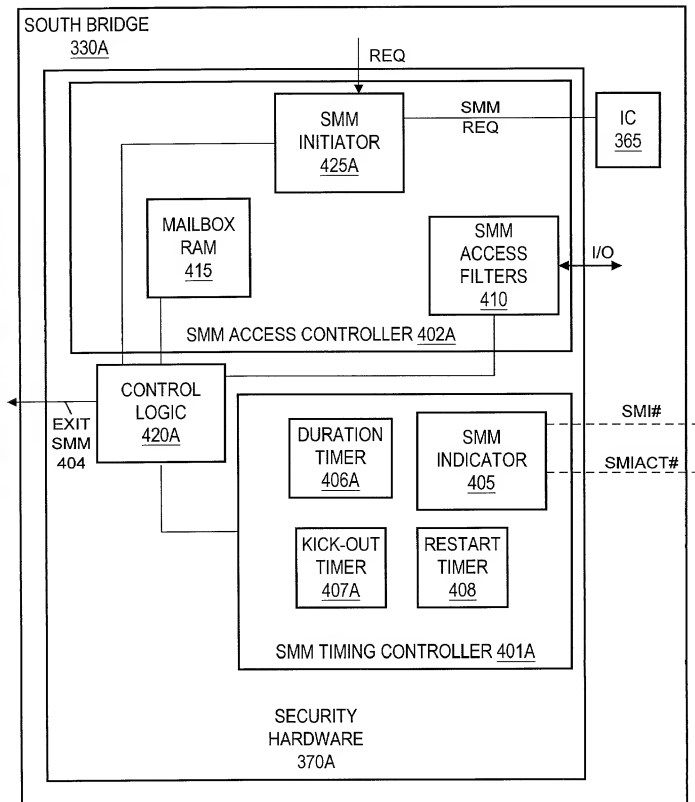


Fig. 5A

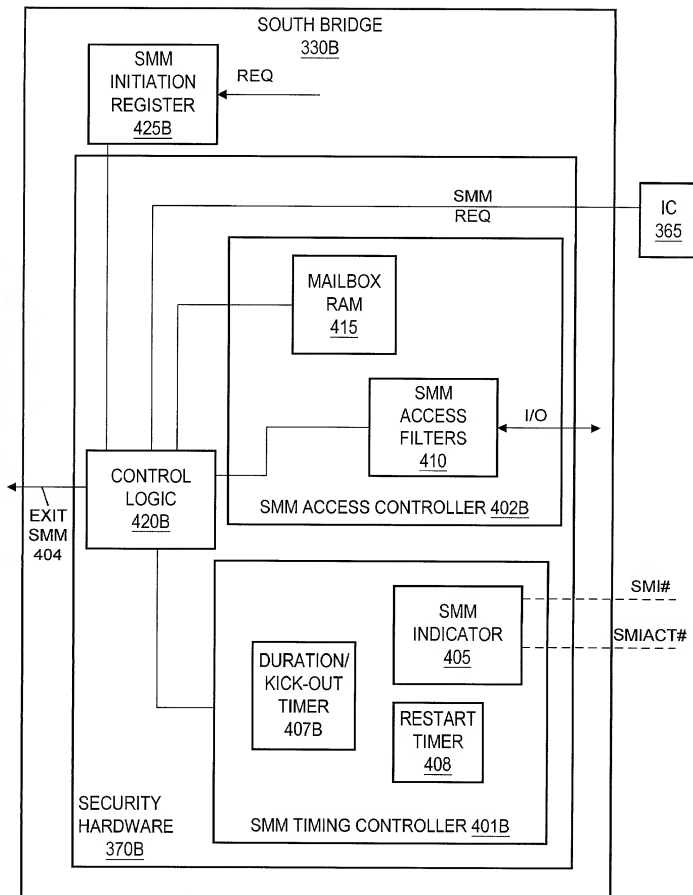
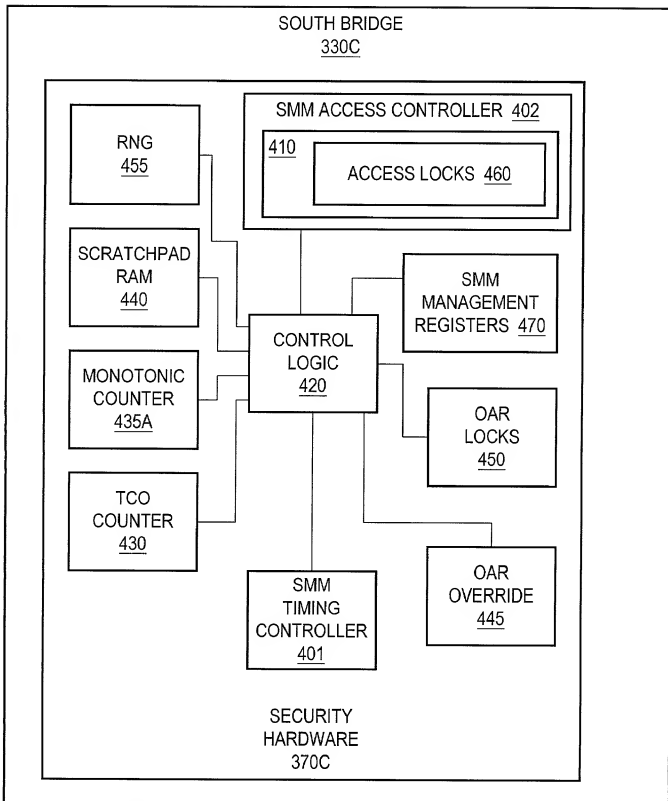


Fig. 5B

9 / 73



10 / 73

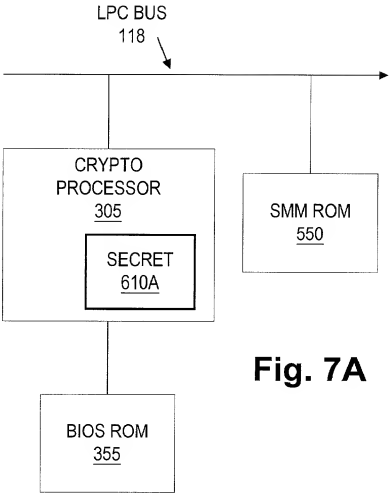


Fig. 7A

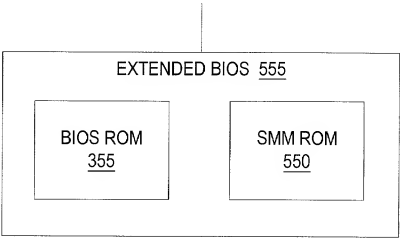


Fig. 7B

US 2012/0242820 A1

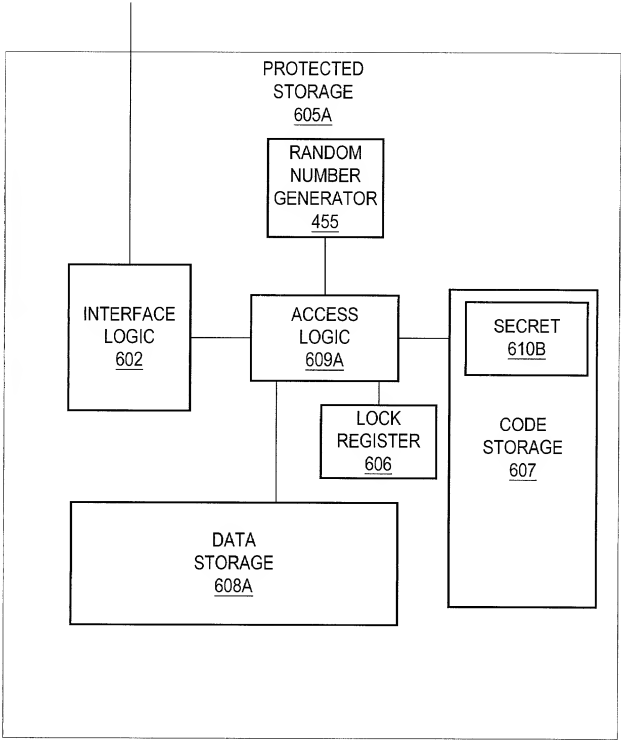


Fig. 7C

12 / 73

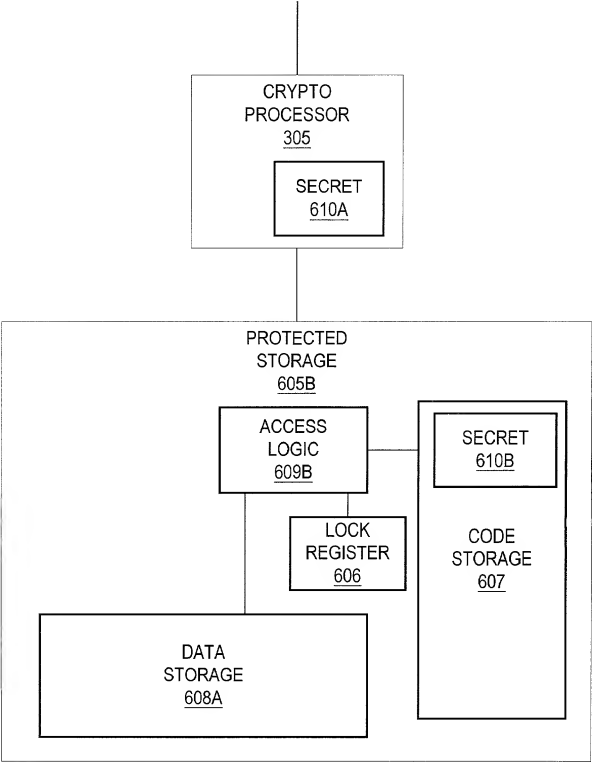


Fig. 7D

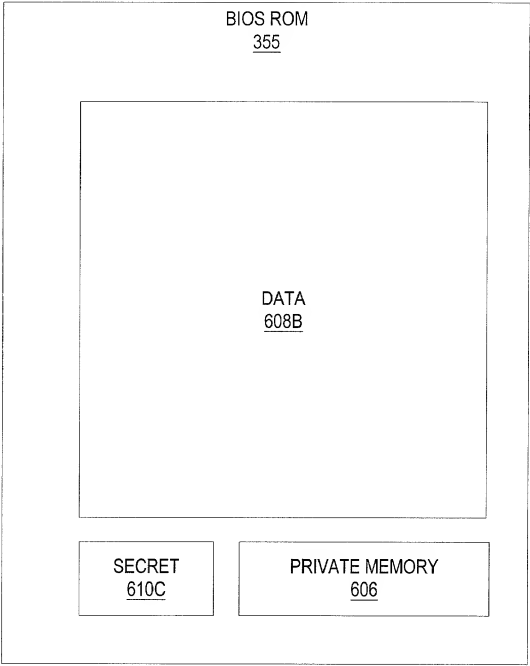


Fig. 8A

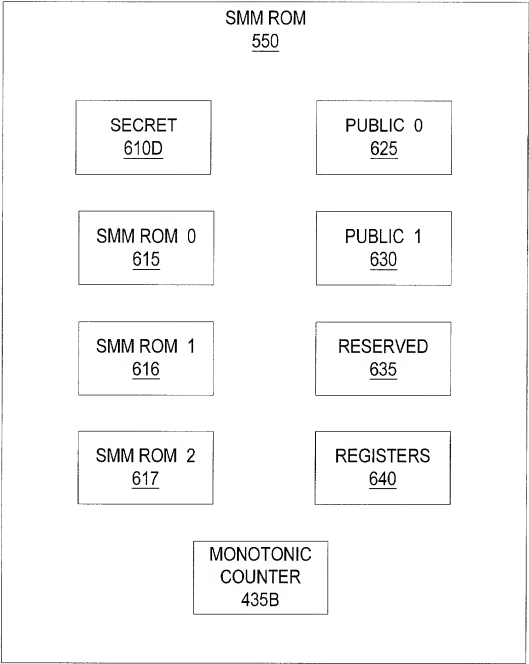


Fig. 8B

15 / 73

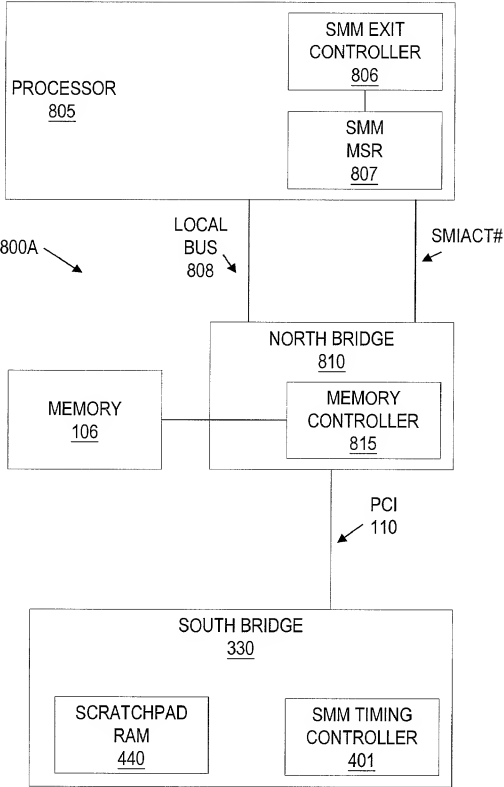


Fig. 9A

16 / 73

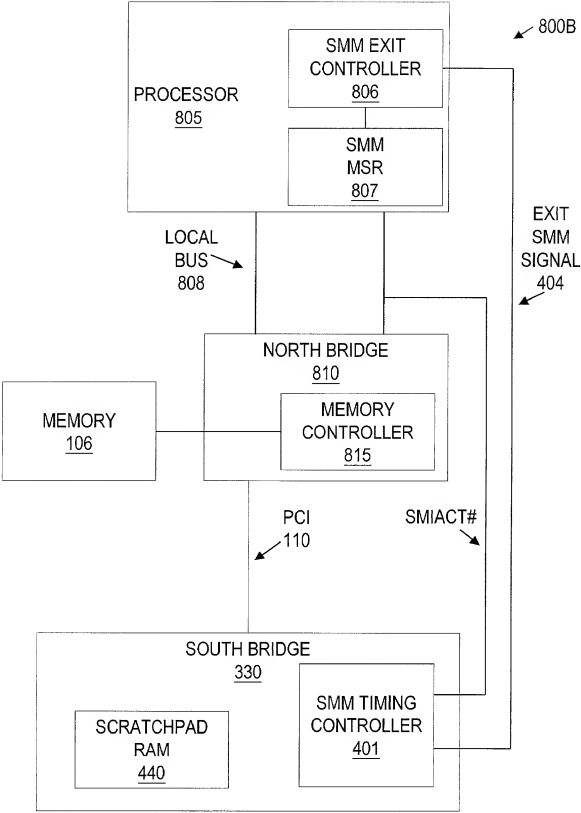


Fig. 9B

17 / 73

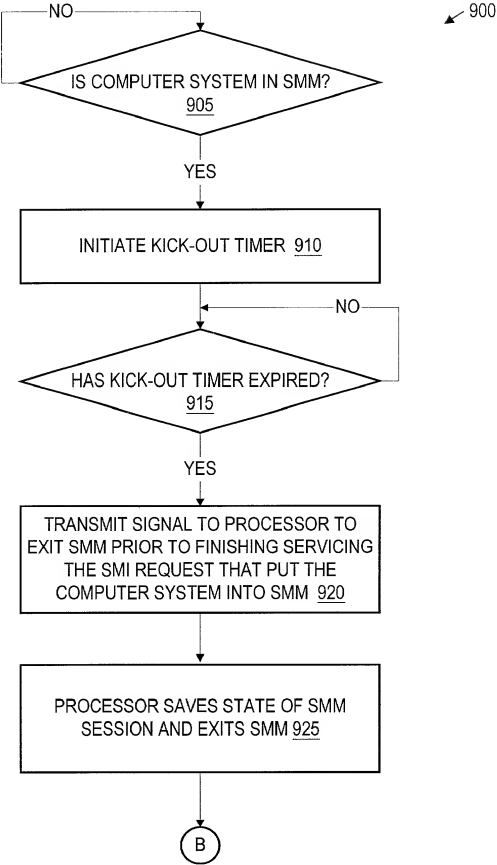


Fig. 10A

18 / 73

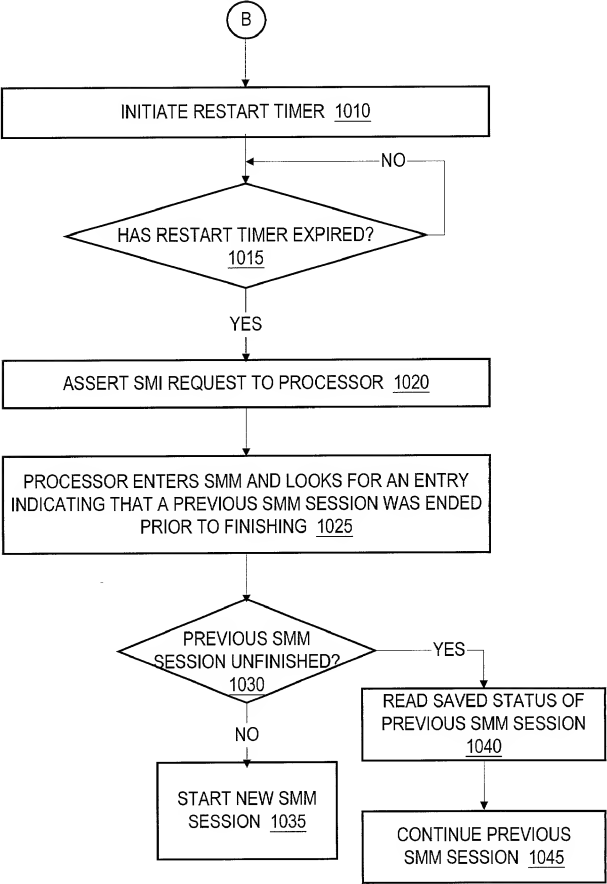


Fig. 10B

19 / 73

1100A

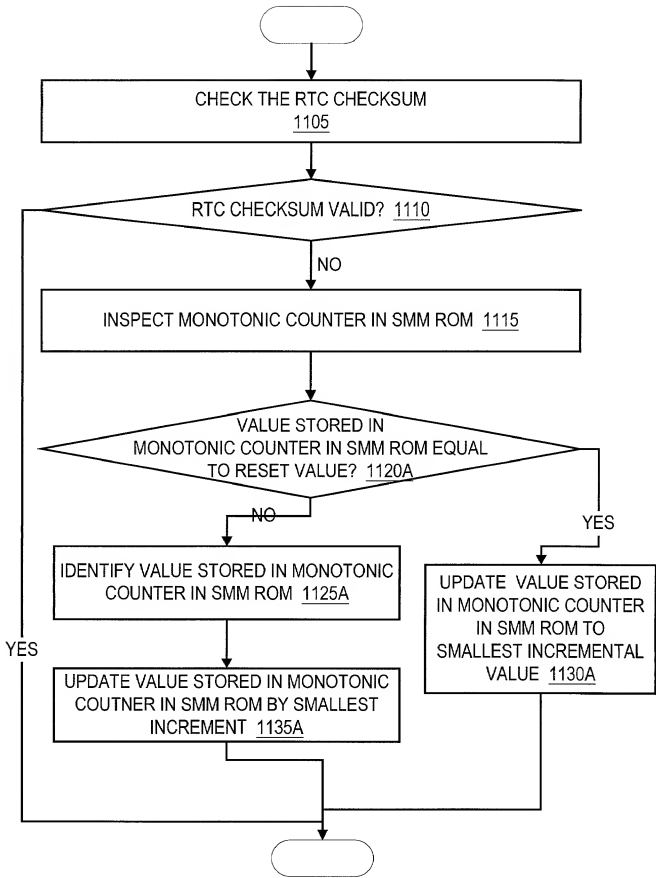


Fig. 11A

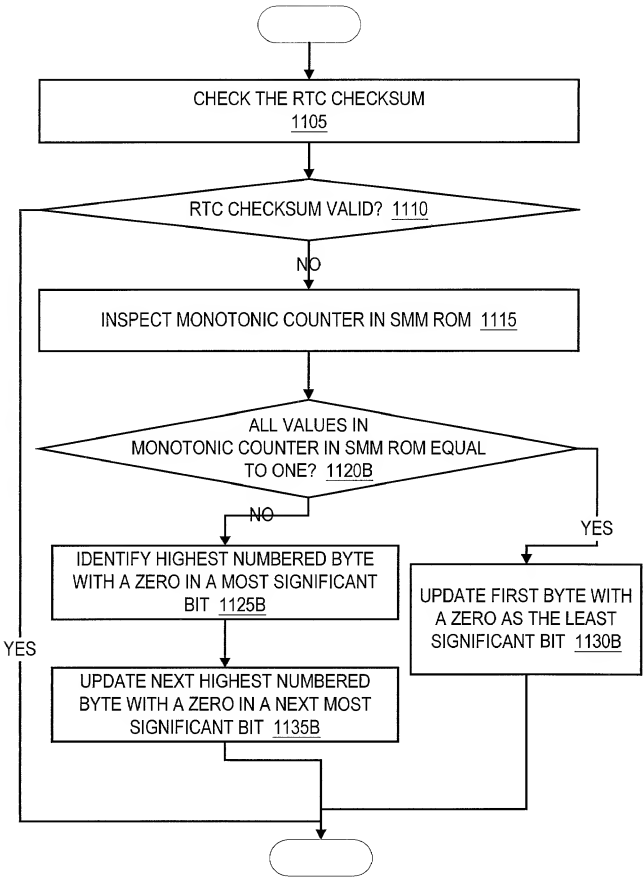


Fig. 11B

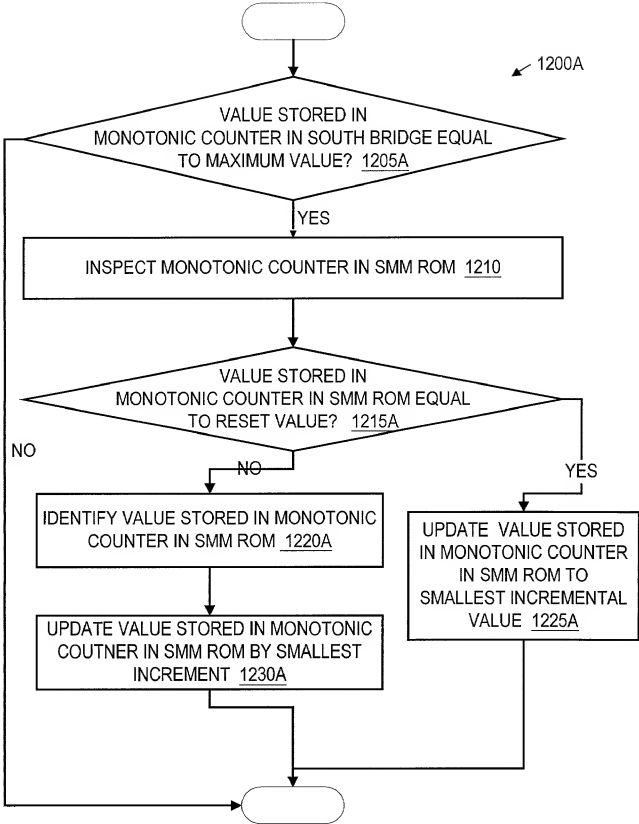


Fig. 12A

22 / 73

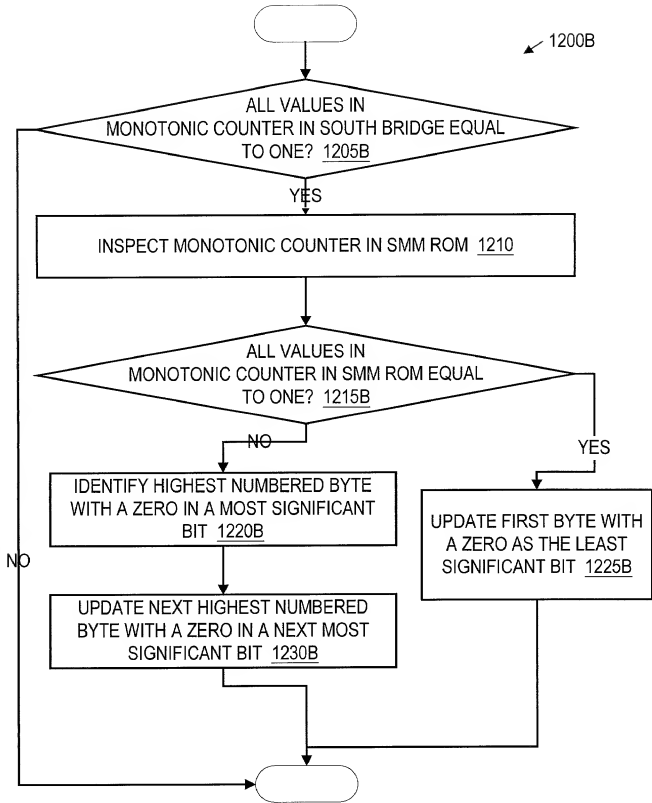


Fig. 12B

23 / 73

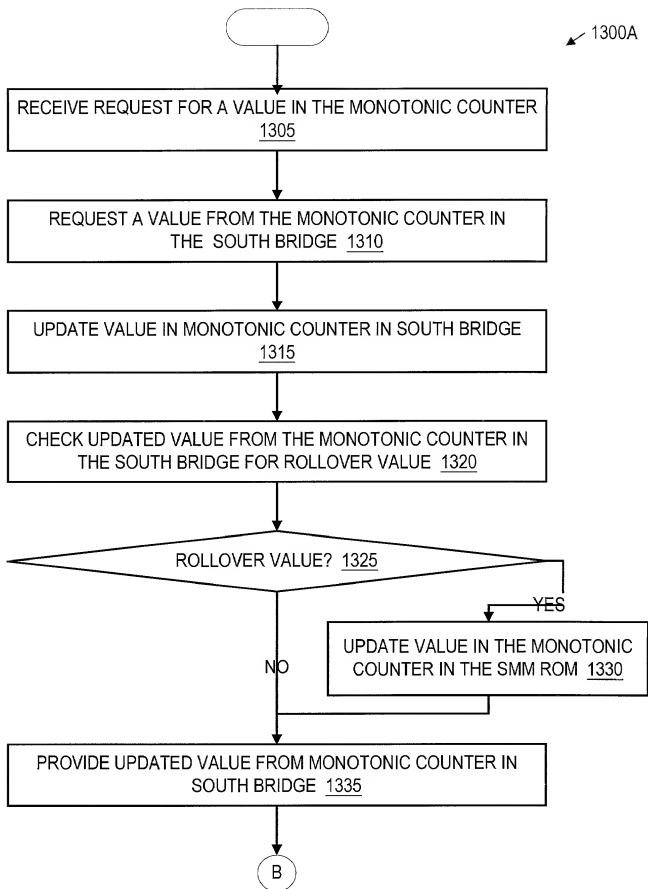


Fig. 13A

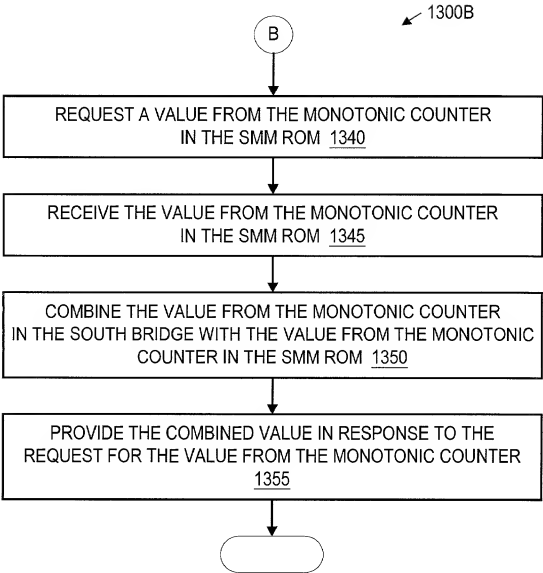


Fig. 13B

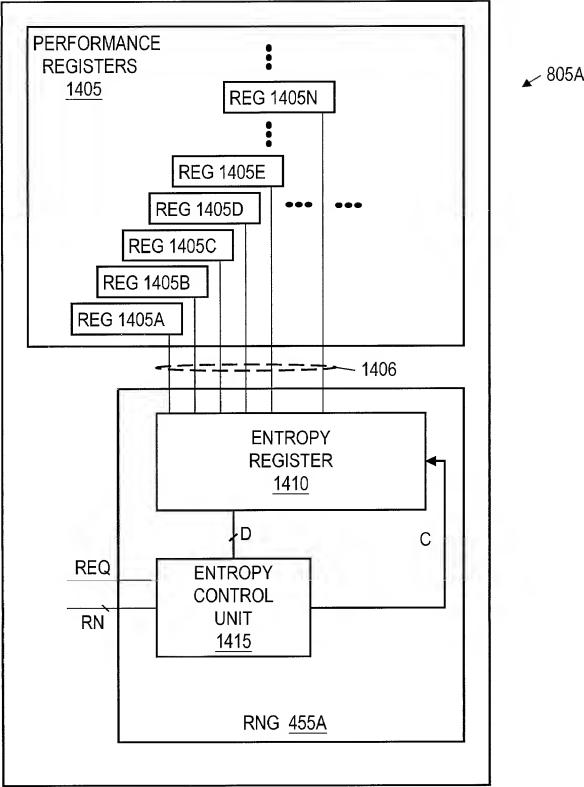


Fig. 14A

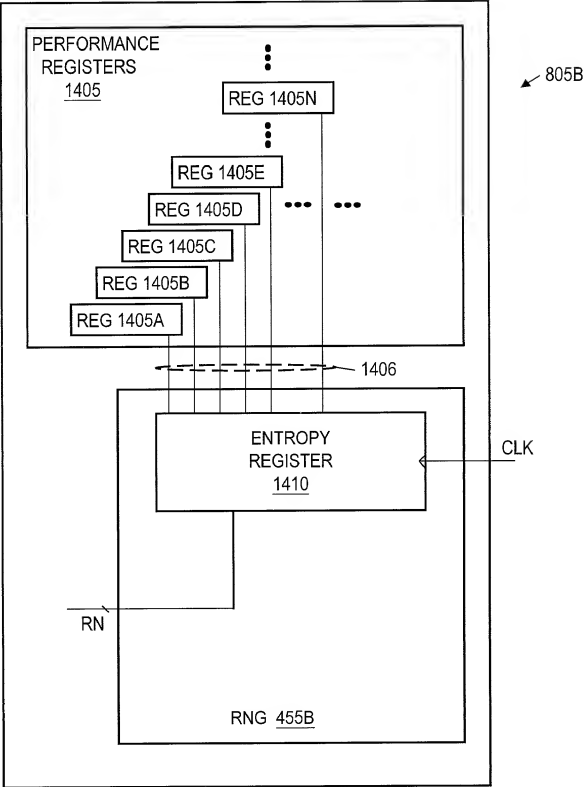


Fig. 14B

27 / 73

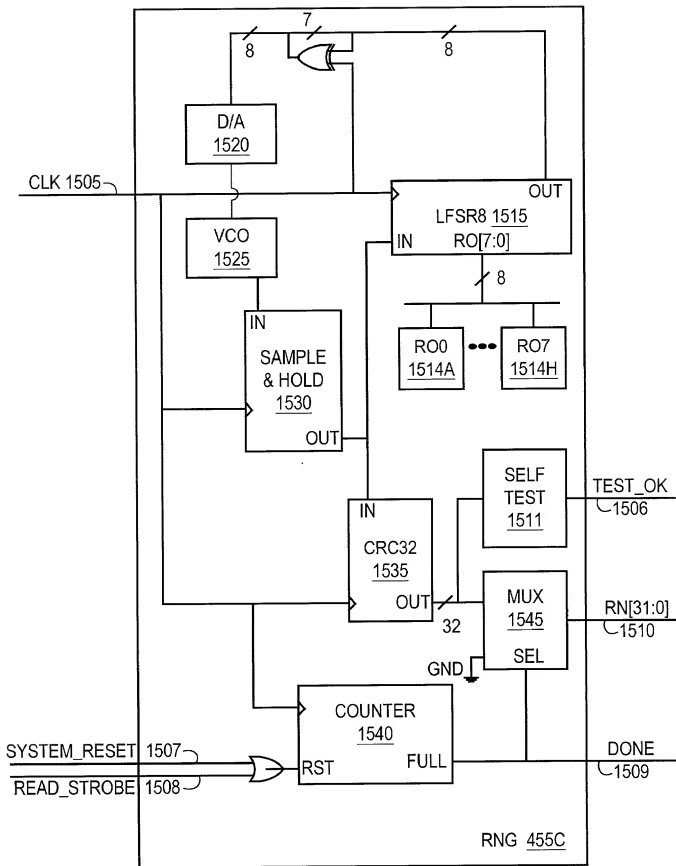


Fig. 15

28 / 73

1600A

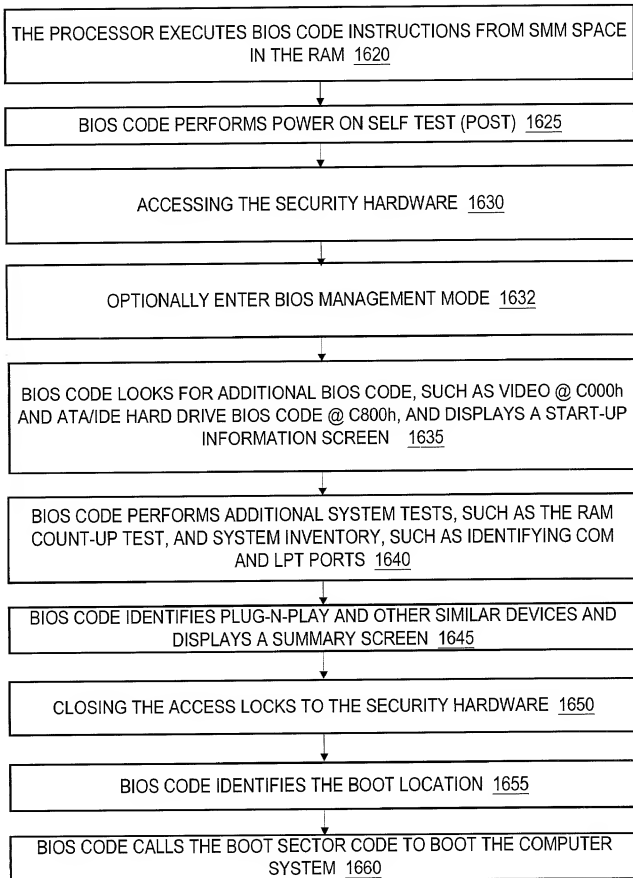


Fig. 16A

29 / 73

1600B

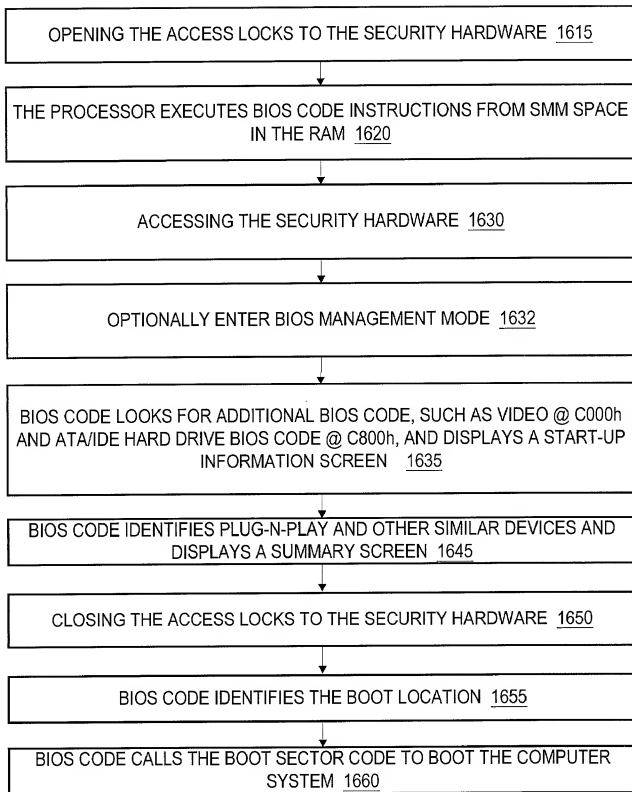


Fig. 16B

30 / 73

1600C

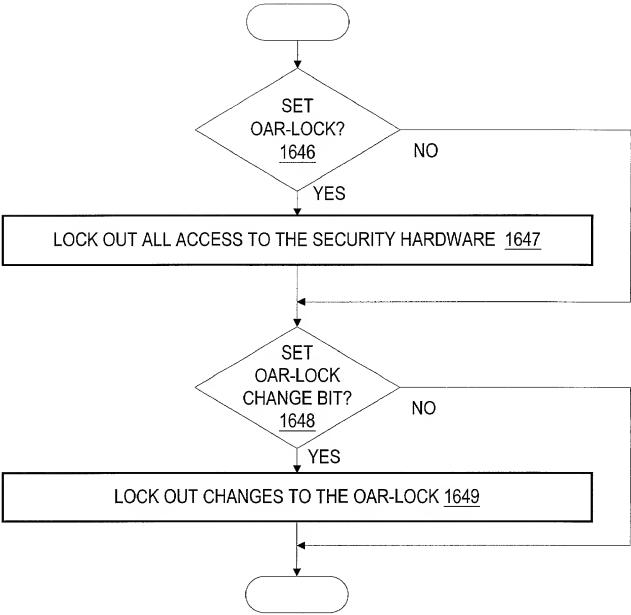


Fig. 16C

31 / 73

1600D

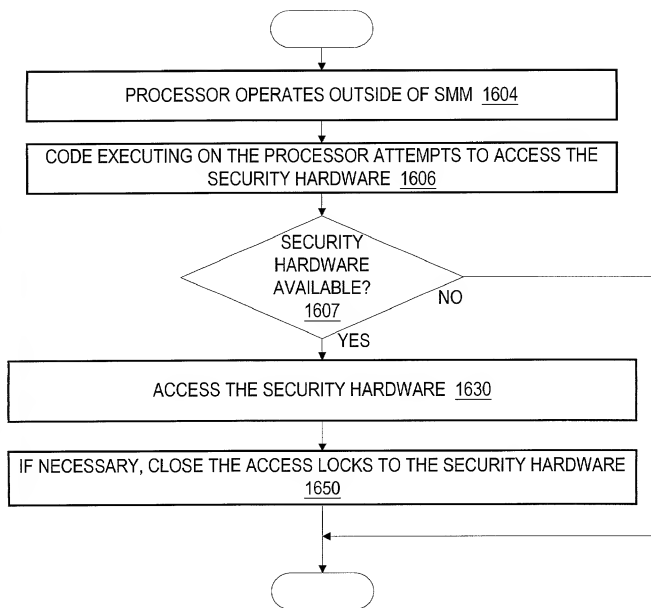


Fig. 16D

32 / 73

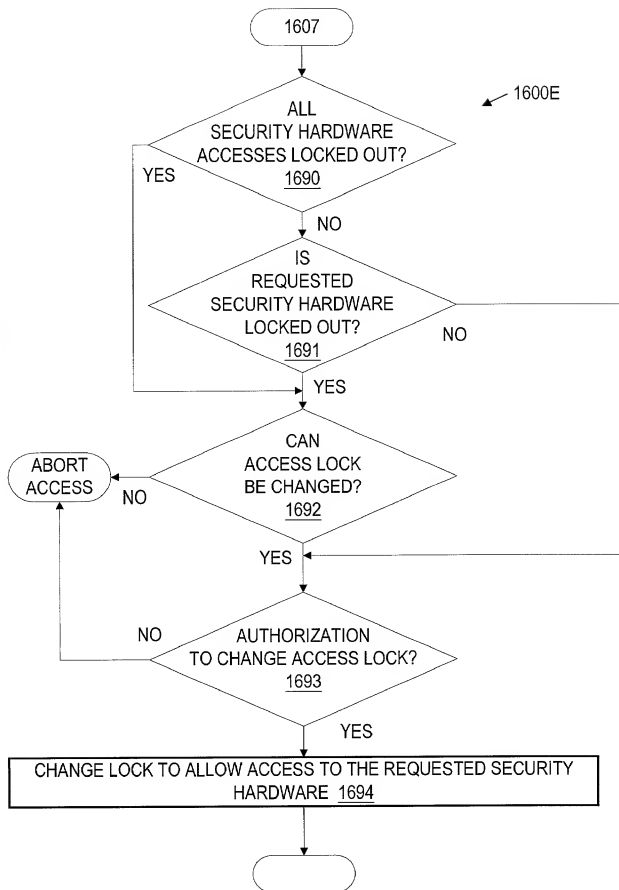


Fig. 16E

1600F

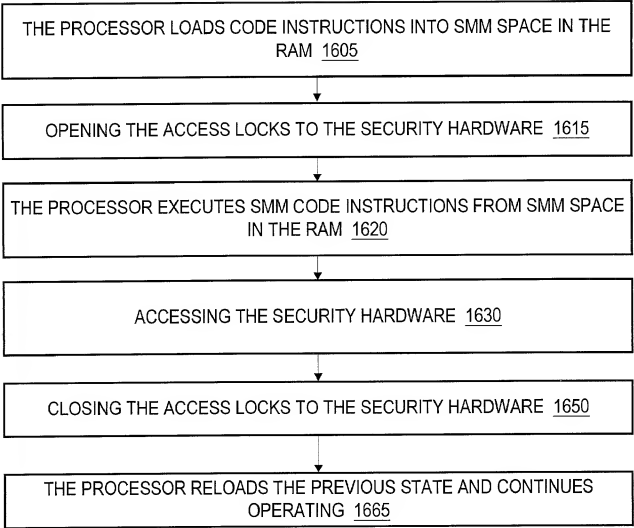


Fig. 16F

1600G

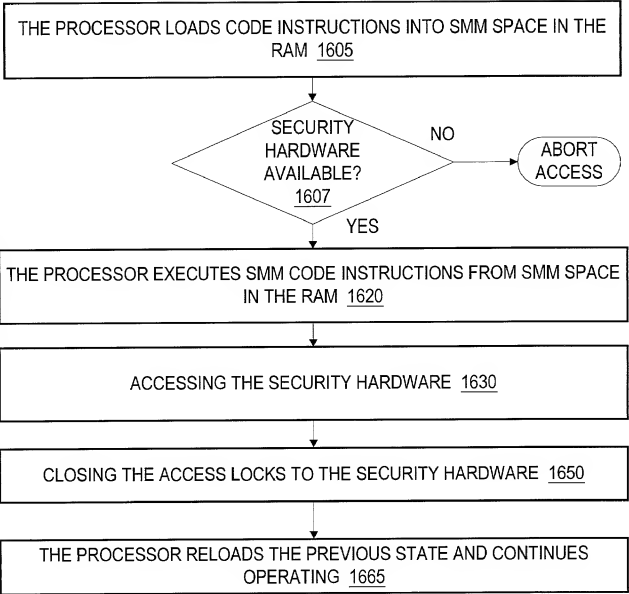


Fig. 16G

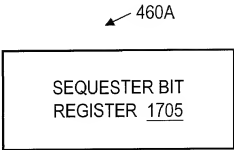


Fig. 17A

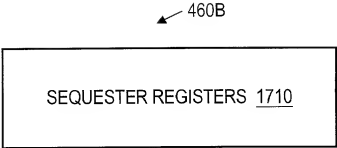


Fig. 17B

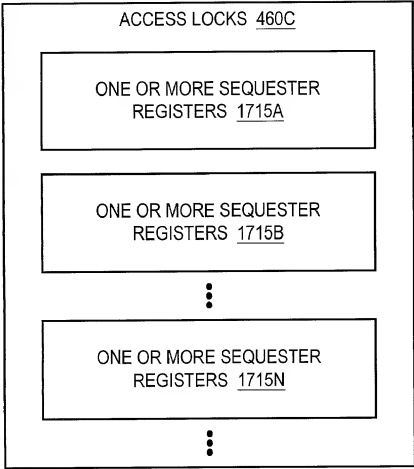


Fig. 17C

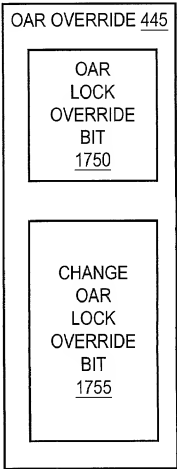


Fig. 17D

10955494 154001 100394 21225300

36 / 73

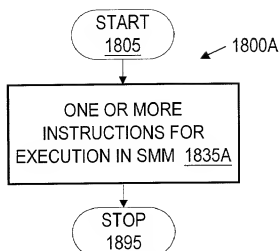


Fig. 18A
PRIOR ART

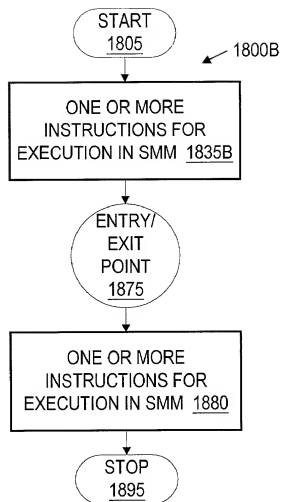


Fig. 18B

37 / 73



Fig. 18C

38 / 73

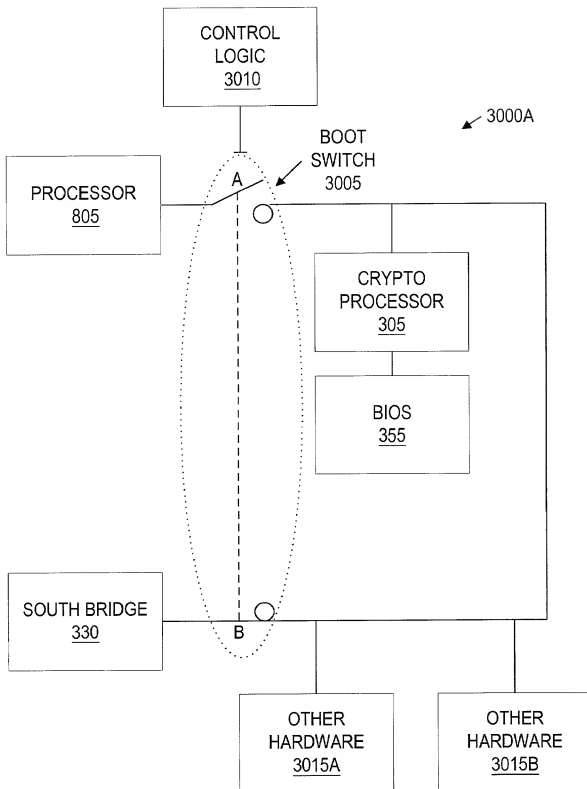


Fig. 19A

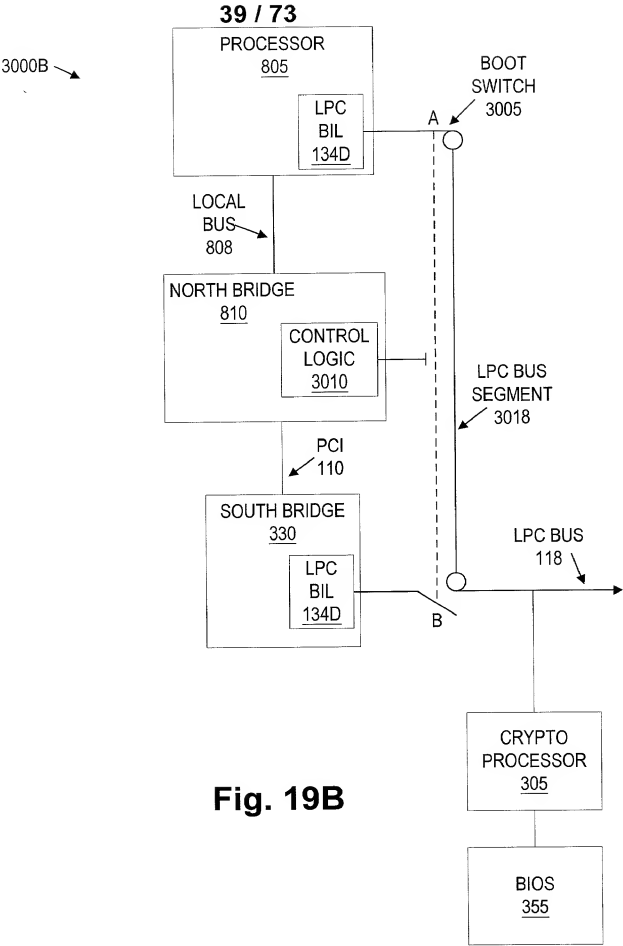


Fig. 19B

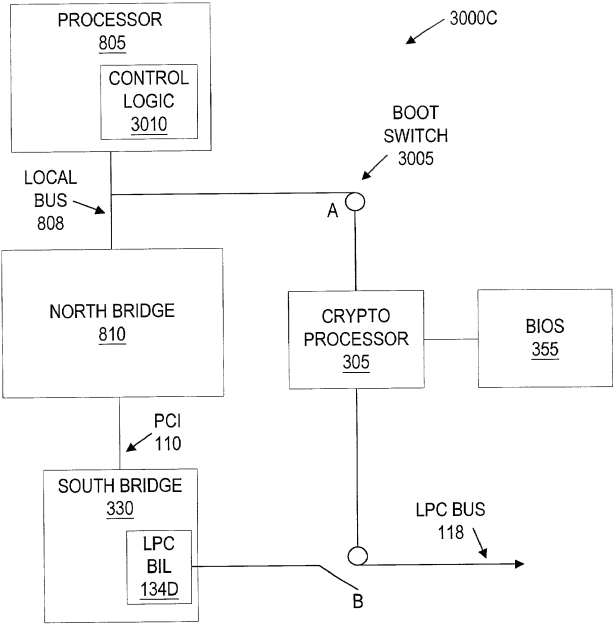


Fig. 19C

41 / 73

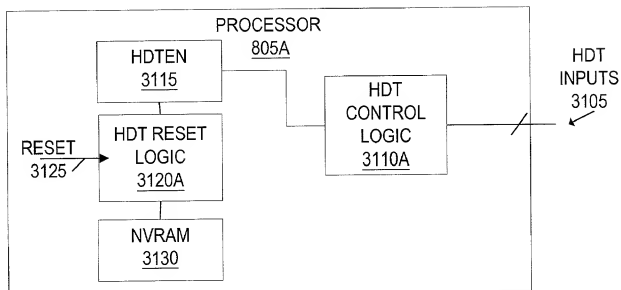


Fig. 20A

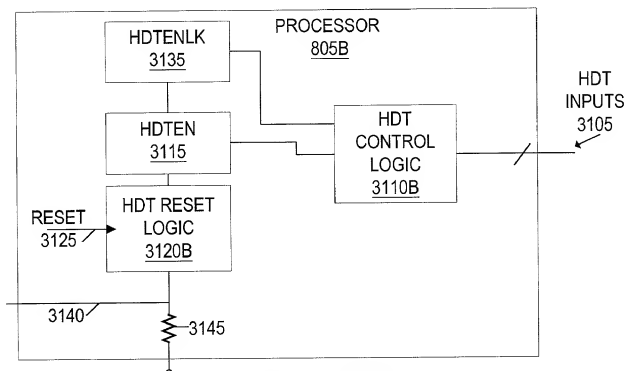


Fig. 20B

42 / 73

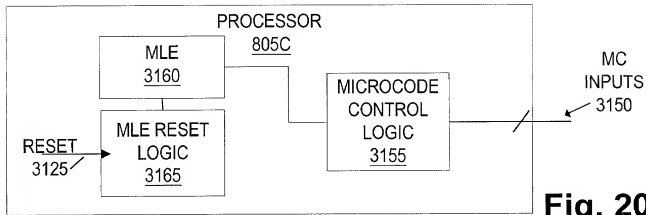


Fig. 20C

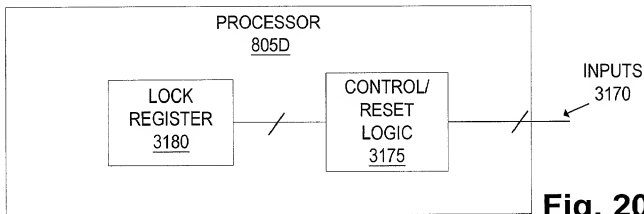


Fig. 20D

00000000-051001

43 / 73

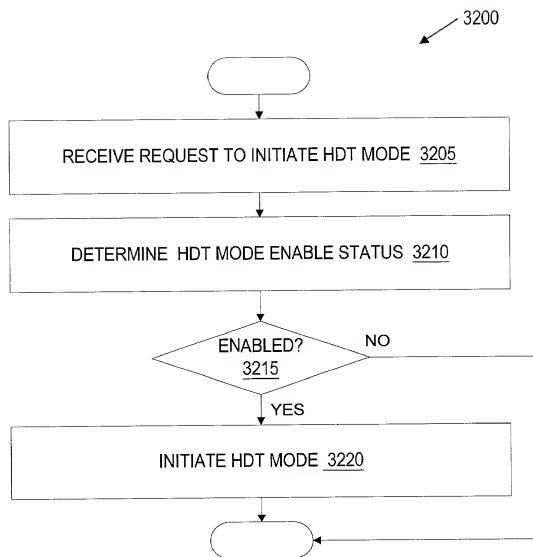


Fig. 21

44 / 73

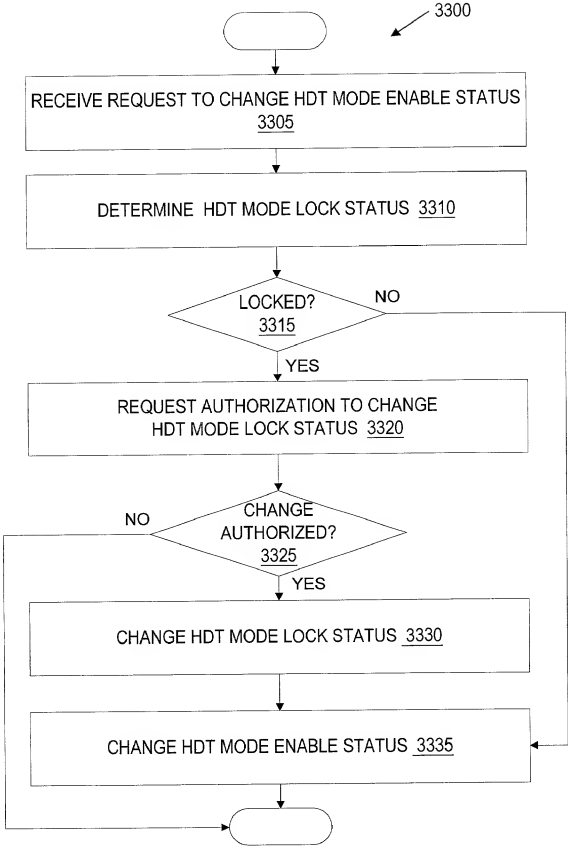
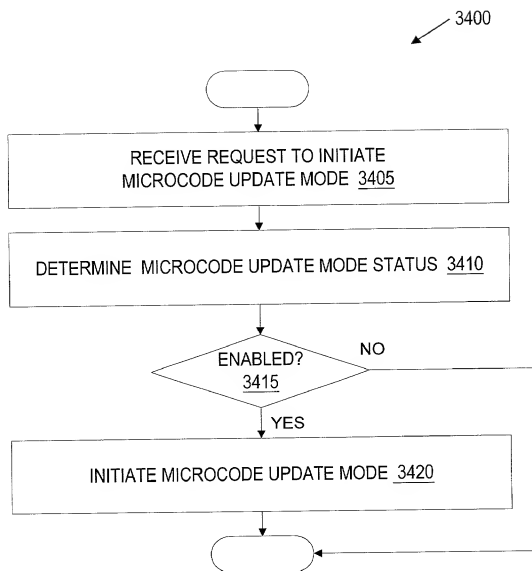


Fig. 22

45 / 73

**Fig. 23**

46 / 73

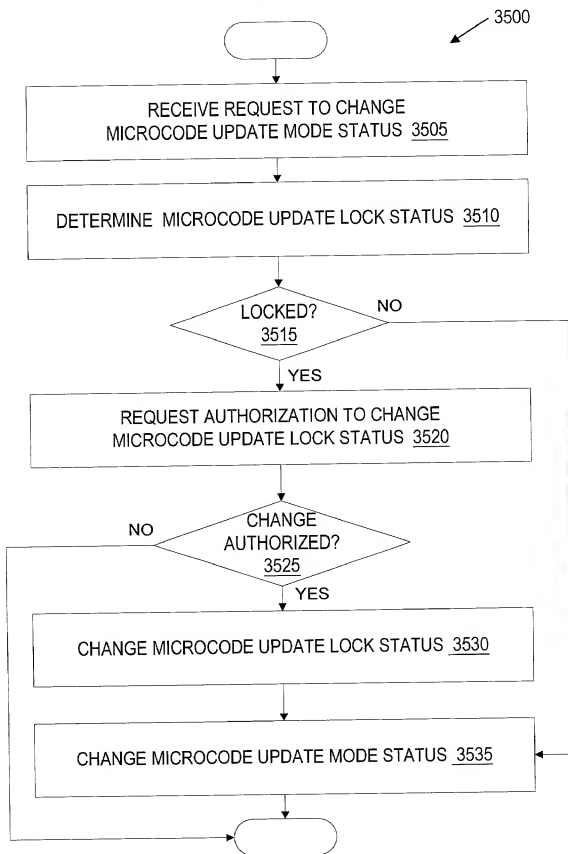


Fig. 24

47 / 73

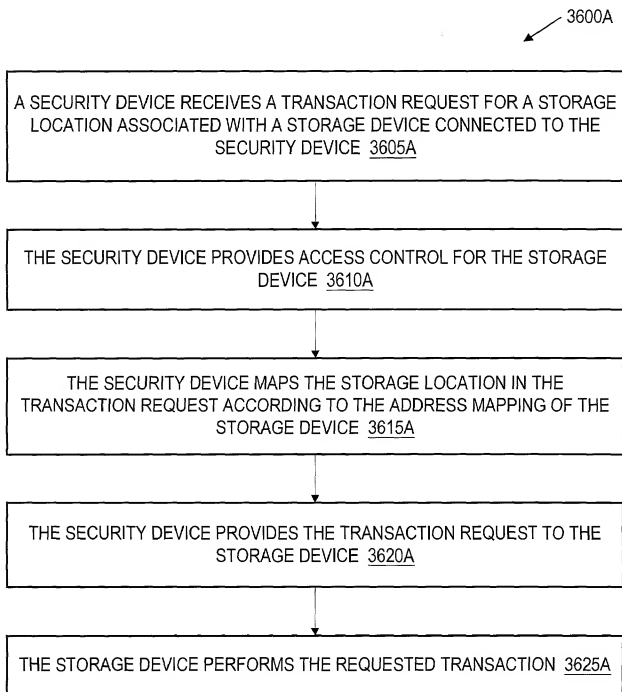


Fig. 25A

48 / 73

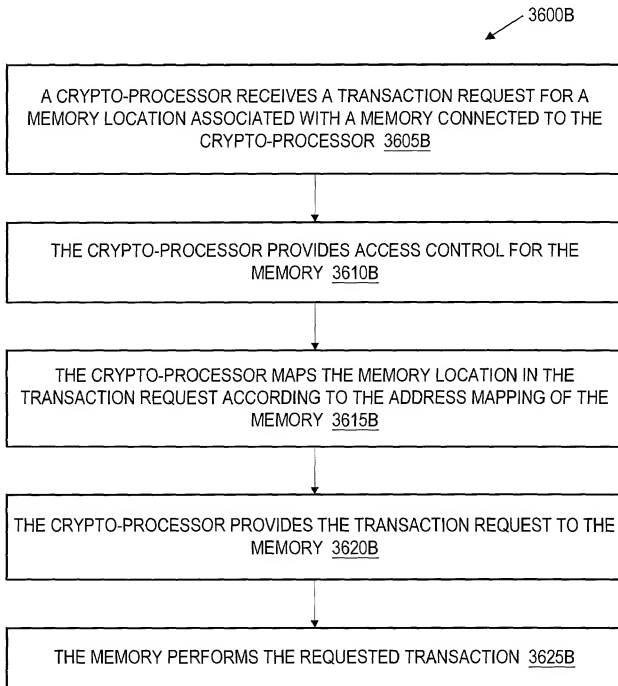


Fig. 25B

49 / 73

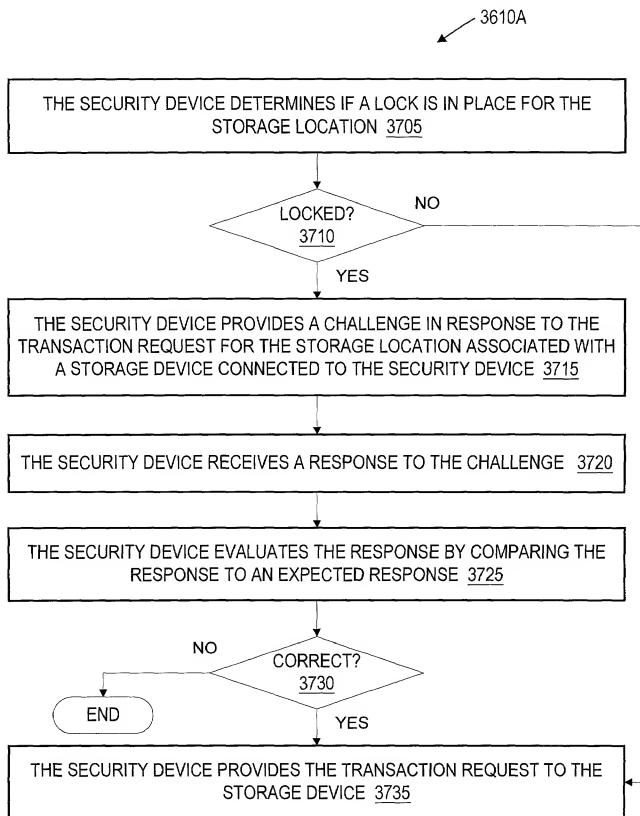


Fig. 26

50 / 73

3620

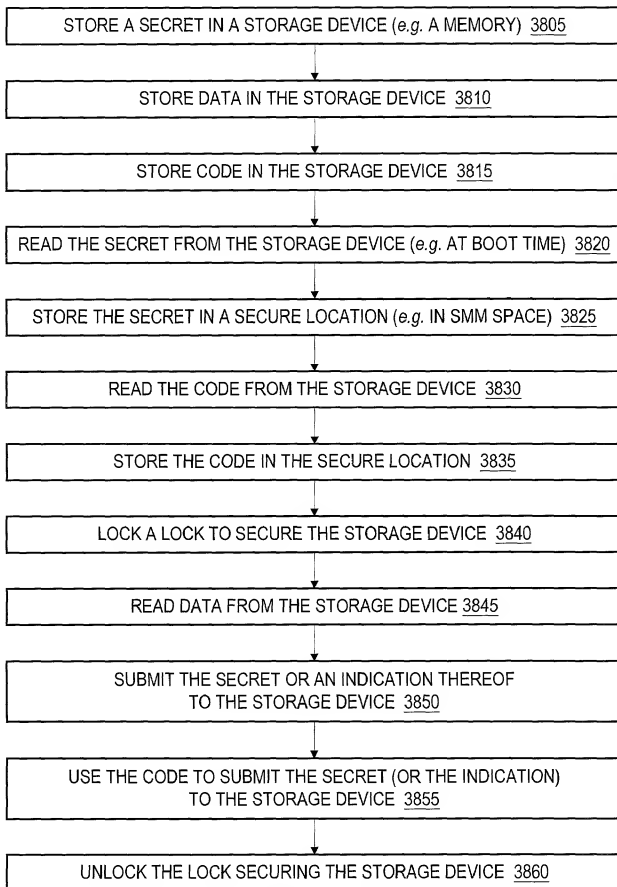


Fig. 27

51 / 73

3900

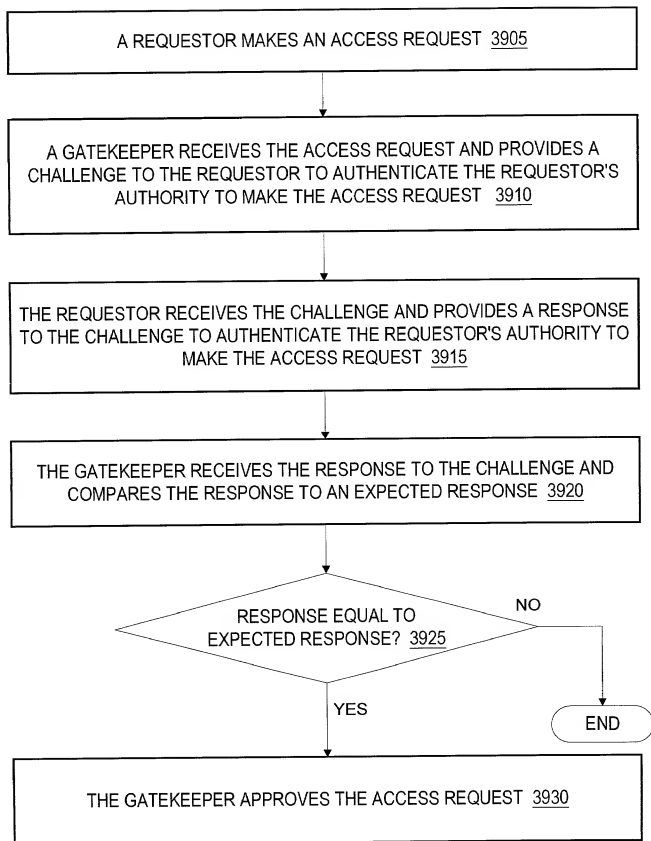


Fig. 28
(Prior Art)

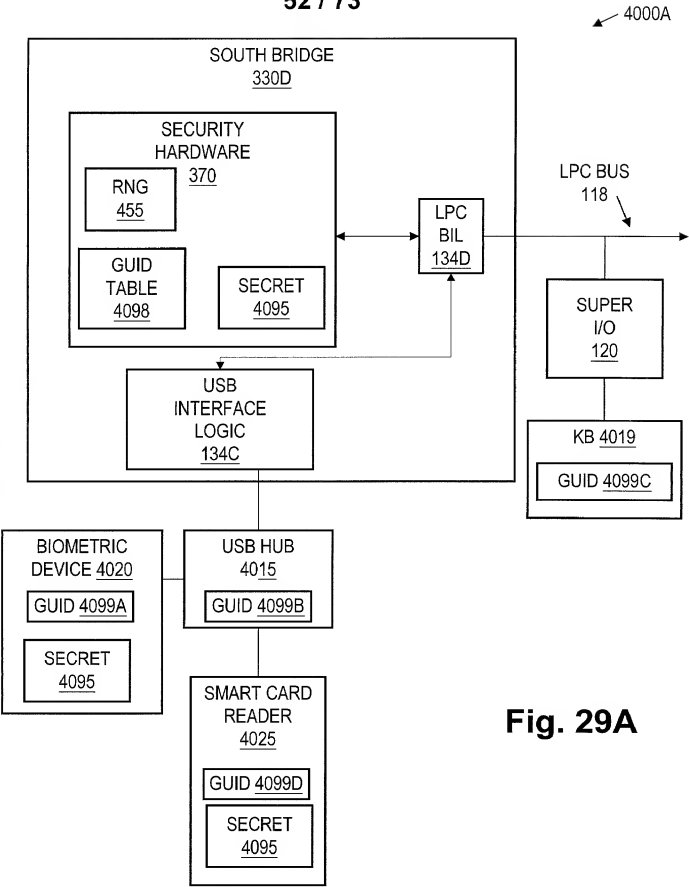


Fig. 29A

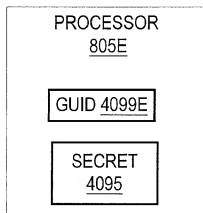


Fig. 29B

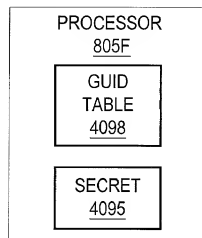


Fig. 29C

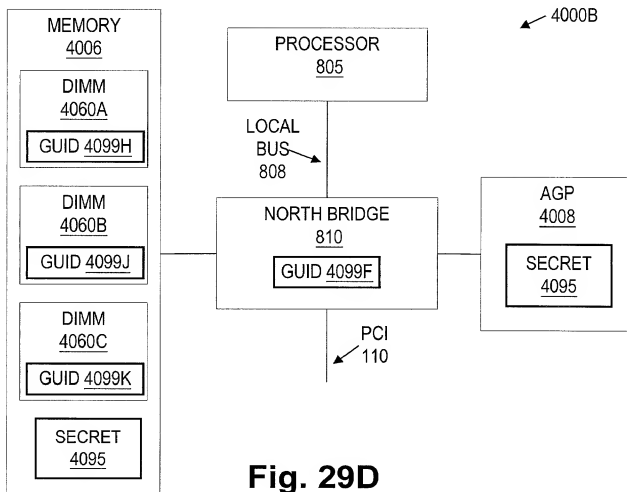


Fig. 29D

54 / 73

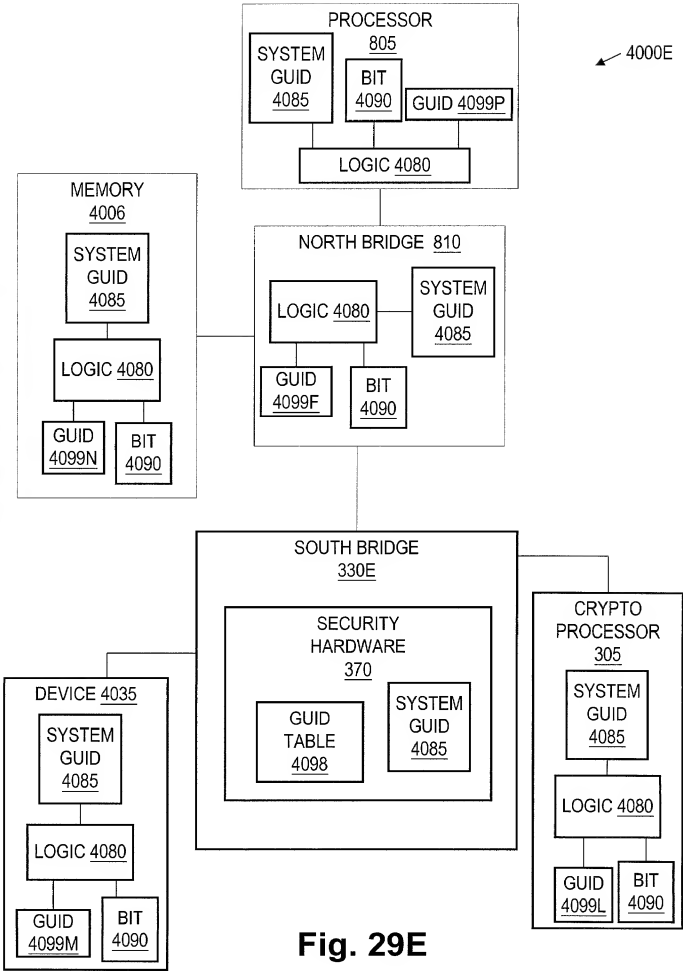


Fig. 29E

55 / 73

4100A

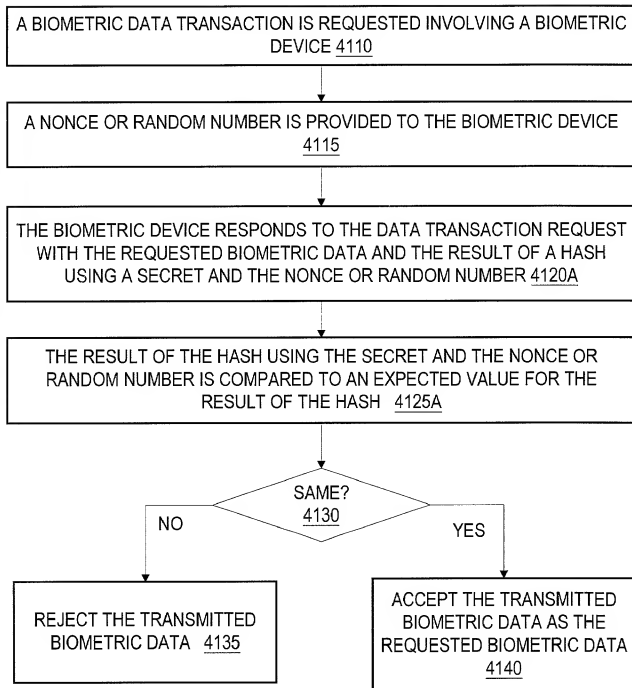


Fig. 30A

56 / 73

4100B

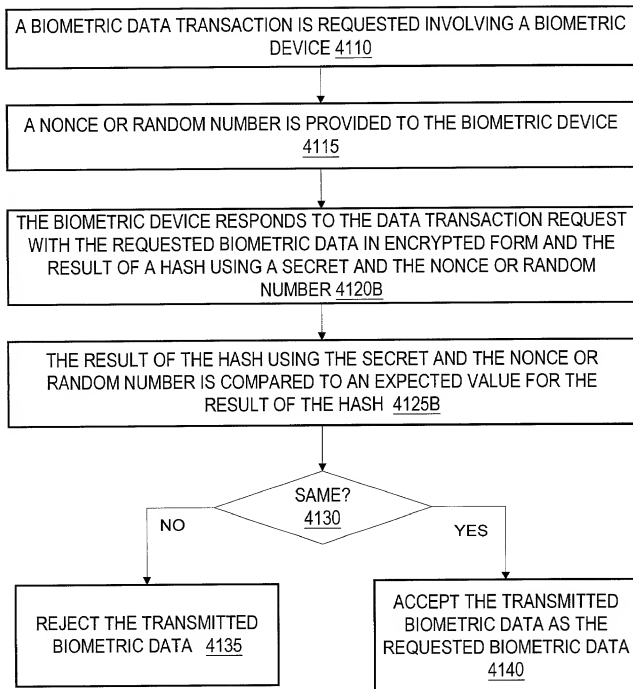


Fig. 30B

57 / 73

4200A

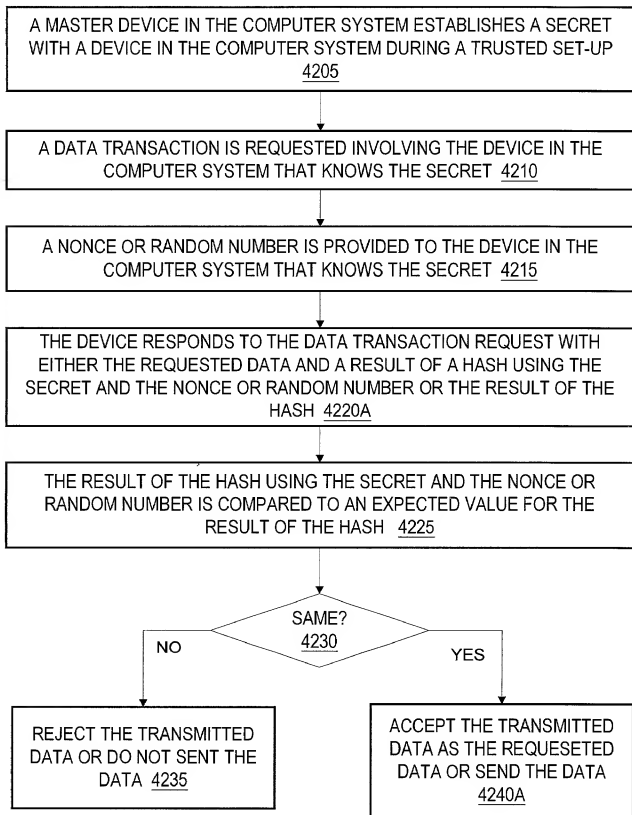


Fig. 31A

58 / 73

4200B

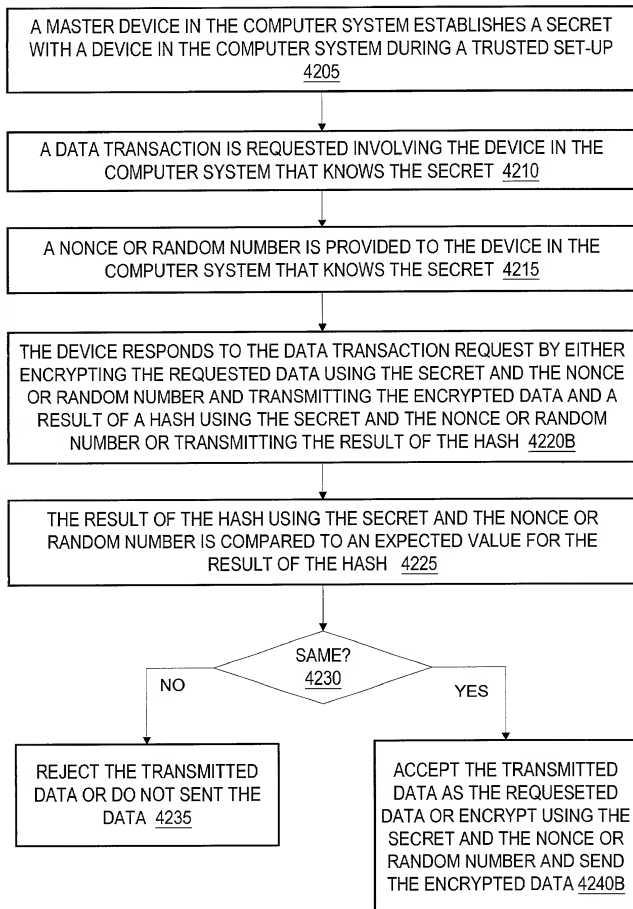


Fig. 31B

59 / 73

4300A

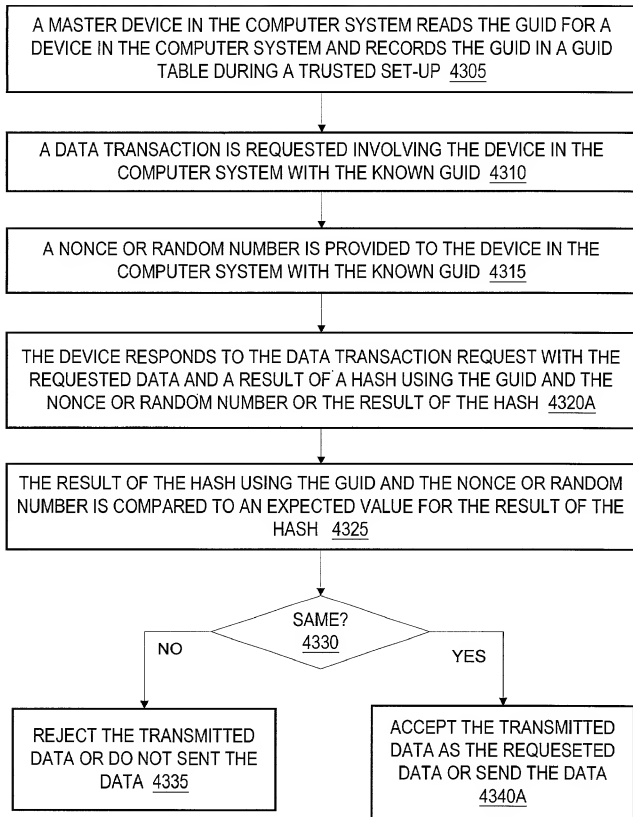


Fig. 32A

60 / 73

4300B

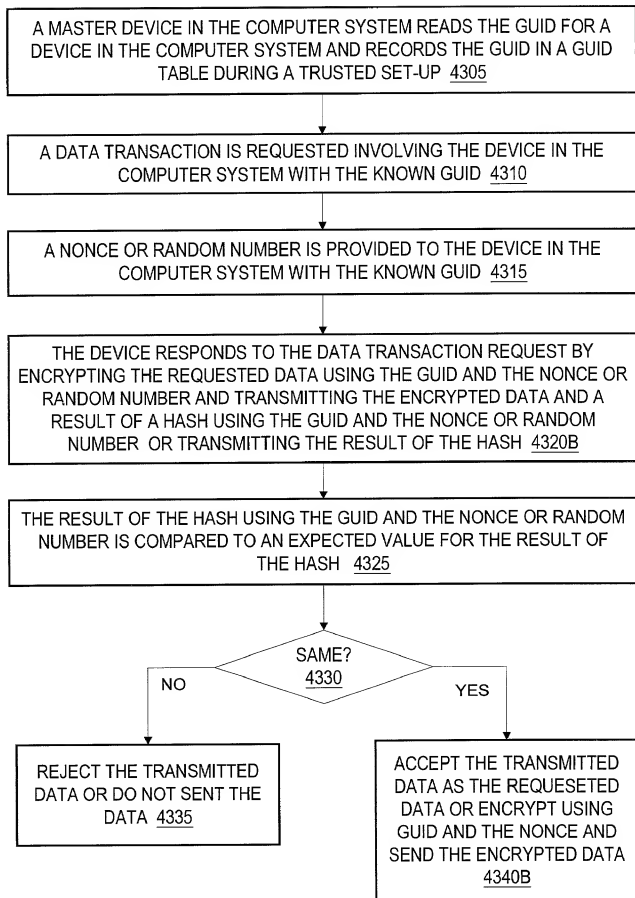


Fig. 32B

61 / 73

4300C

A MASTER DEVICE IN THE COMPUTER SYSTEM READS THE GUID FOR A DEVICE IN THE COMPUTER SYSTEM, RECORDS THE GUID IN A GUID TABLE, AND TRANSMITS A SECRET TO THE DEVICE DURING A TRUSTED SET-UP

4306

A DATA TRANSACTION IS REQUESTED INVOLVING THE DEVICE IN THE COMPUTER SYSTEM WITH THE KNOWN GUID THAT KNOWS THE SECRET

4311

A NONCE OR RANDOM NUMBER IS PROVIDED TO THE DEVICE IN THE COMPUTER SYSTEM WITH THE KNOWN GUID THAT KNOWS THE SECRET

4316

THE DEVICE RESPONDS TO THE DATA TRANSACTION REQUEST BY ENCRYPTING THE REQUESTED DATA USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER AND TRANSMITTING THE ENCRYPTED DATA AND A RESULT OF A HASH USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER OR TRANSMITTING THE RESULT OF THE HASH

4320C

THE RESULT OF THE HASH USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER IS COMPARED TO AN EXPECTED VALUE FOR THE RESULT OF THE HASH

4326

SAME?

4330

NO

YES

REJECT THE TRANSMITTED DATA OR DO NOT SENT THE DATA

4335

ACCEPT THE TRANSMITTED DATA AS THE REQUESTED DATA OR ENCRYPT USING THE SECRET, THE GUID, AND THE NONCE AND SEND THE ENCRYPTED DATA

4340C

Fig. 32C

62 / 73

4400

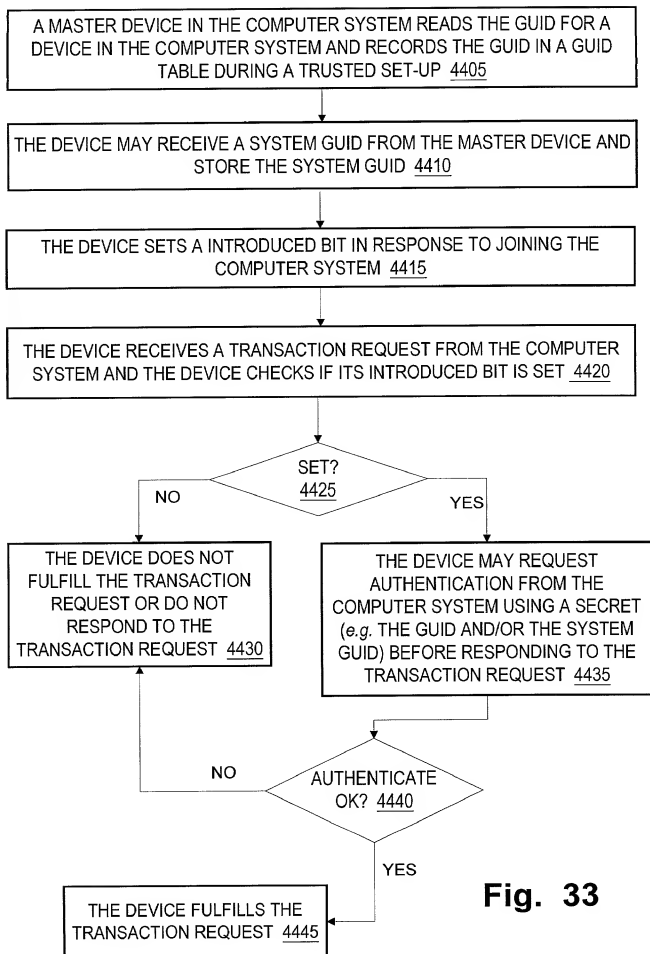


Fig. 33

63 / 73

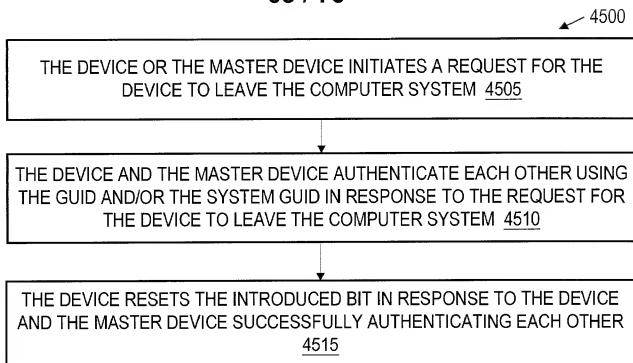


Fig. 34

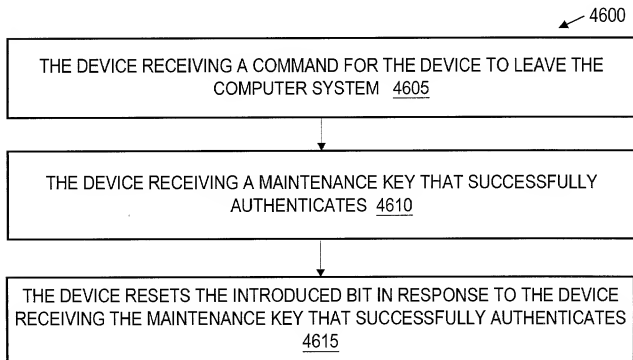


Fig. 35

64 / 73

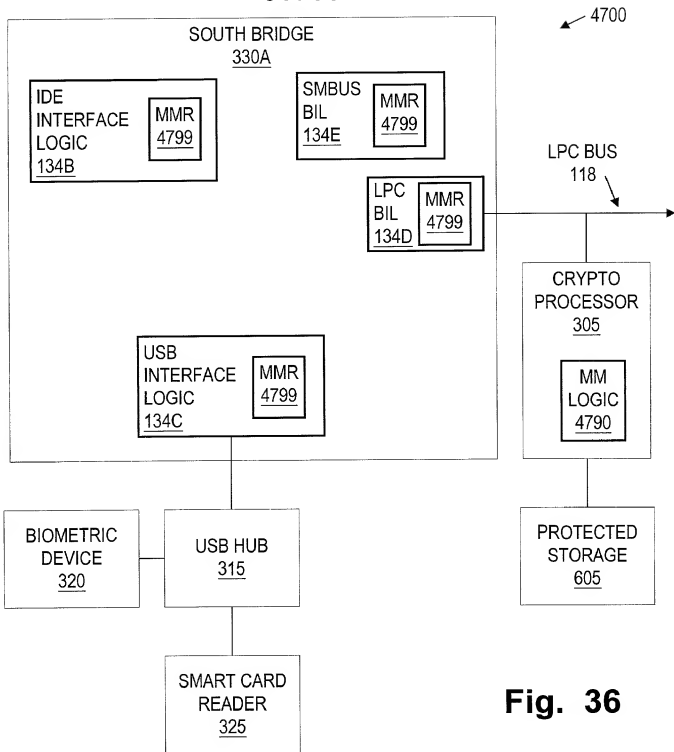


Fig. 36

65 / 73

4800

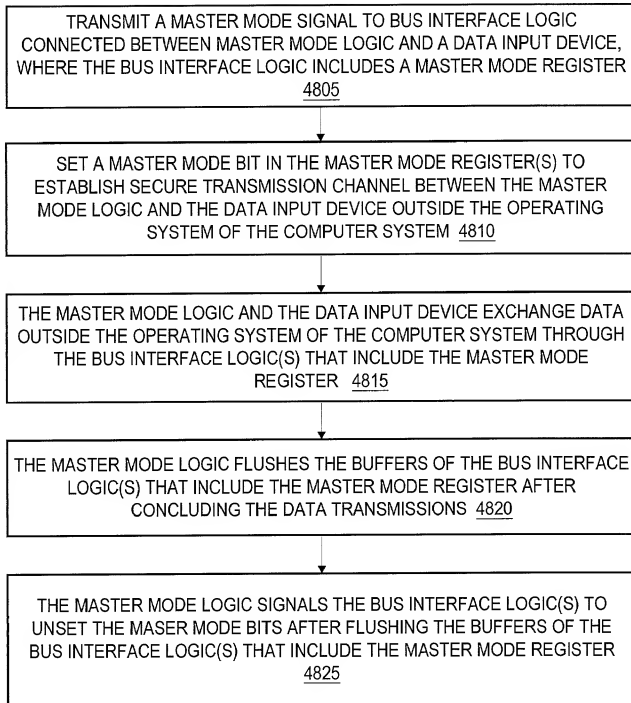


Fig. 37

00000000-00000000

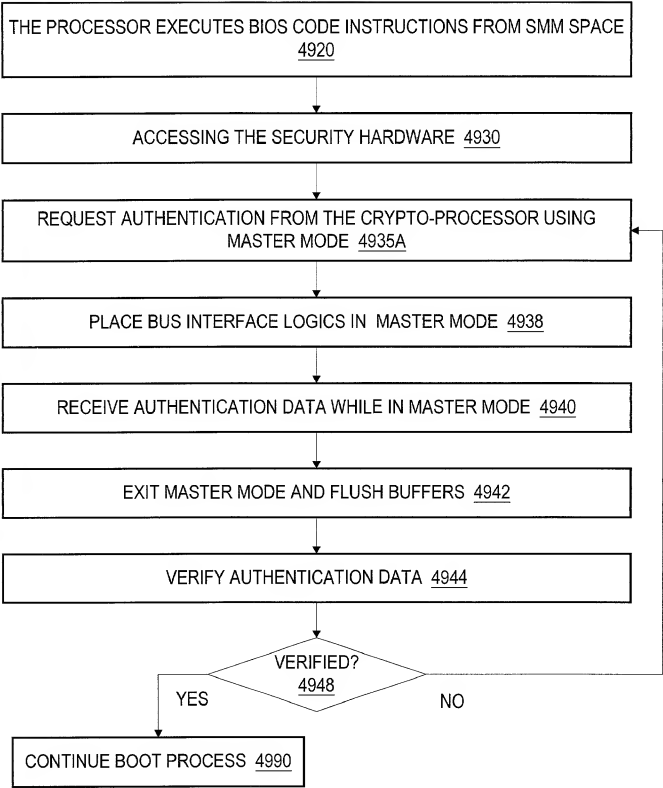


Fig. 38A

67 / 73

4900B

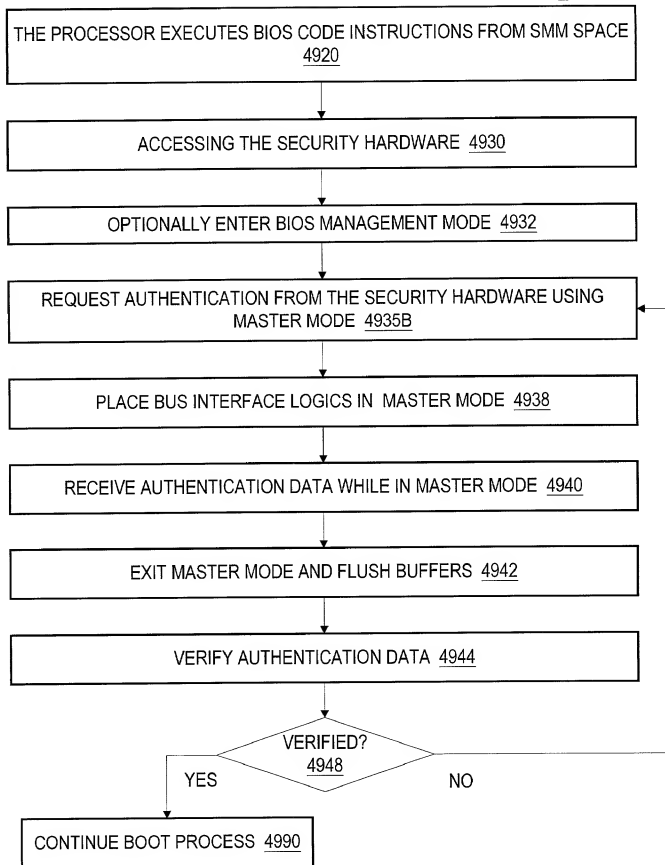


Fig. 38B

68 / 73

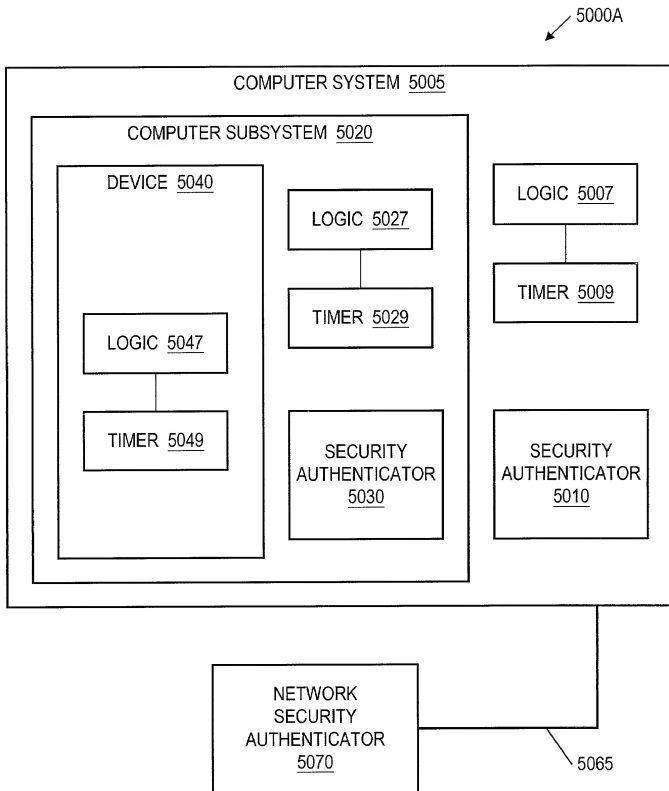


Fig. 39A

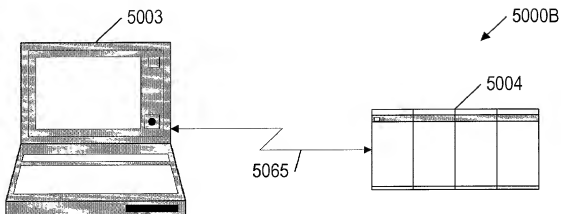


Fig. 39B

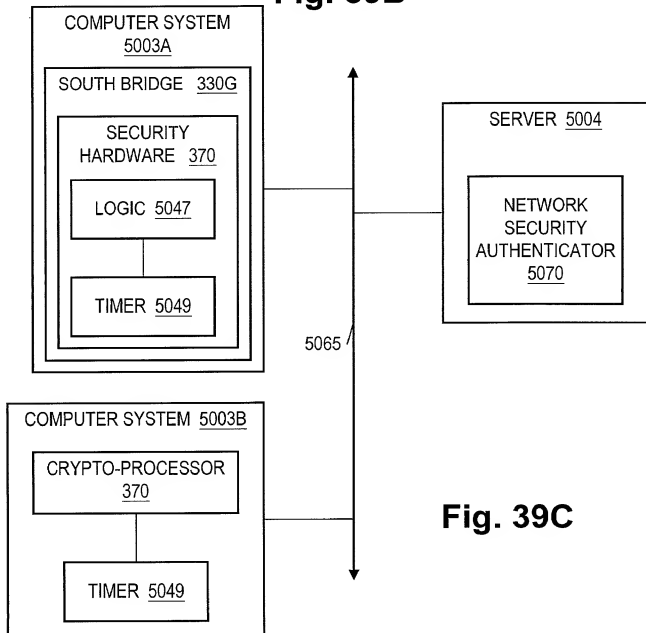


Fig. 39C

70 / 73

5100A

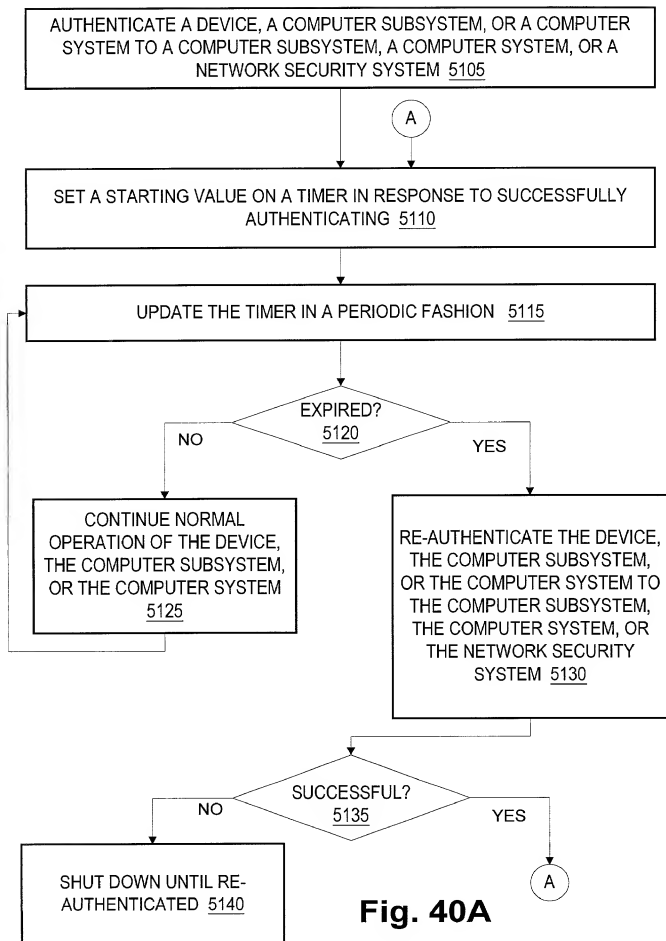


Fig. 40A

71 / 73

5100B

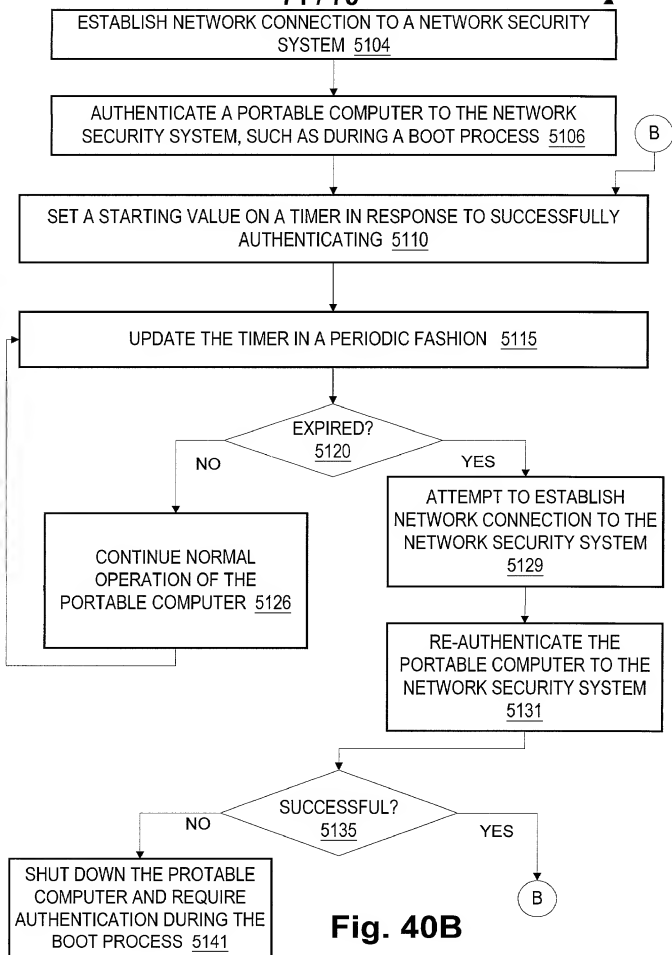


Fig. 40B

72 / 73

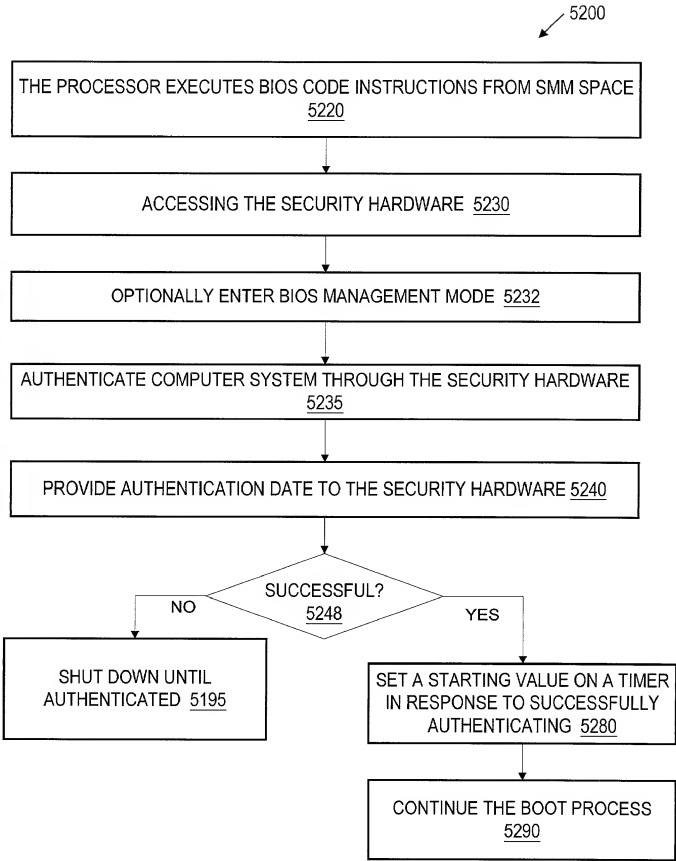


Fig. 41

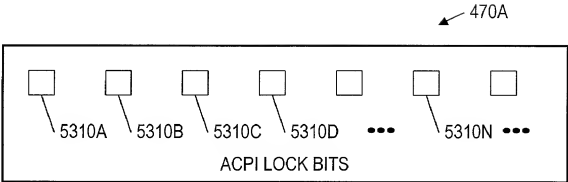


Fig. 42A

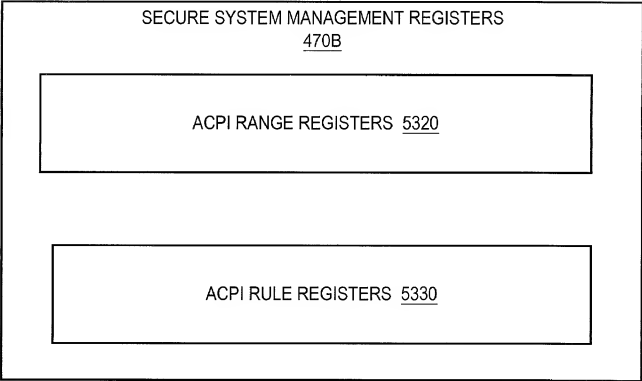


Fig. 42B